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AD-A180 246

August 15, 1986

MATER QUALITY DATA
MAY 1905 THROUGH MAY 1906
U.S. AIR FORCE PLANT NO. 4
FORT MORTH, TEXAS

SELECTE DAPR 2 8 1987

Approved he public selected
Directories United

HARGIS+ASSOCIATES, INC.
Consultants in Hydrogeology

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Tucson/Phoenix/San Diego

Page



HARGIS + ASSOCIATES, INC.

WATER QUALITY DATA
MAY 1985 THROUGH MAY 1986
U.S. AIR FORCE PLANT NO. 4
FORT WORTH, TEXAS

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WATER QUALITY DATA
MAY 1985 THROUGH MAY 1986
U.S. AIR FORCE PLANT NO. 4
FORT WORTH, TEXAS

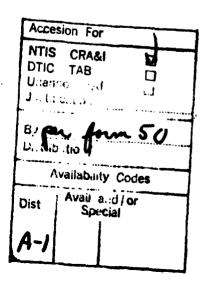
#### INTRODUCTION

This report contains the water quality data collected at U.S. Air Force Plant No. 4 from May 1985 through May 1986. Water quality data collected prior to May 1985 is contained in a previous report entitled:

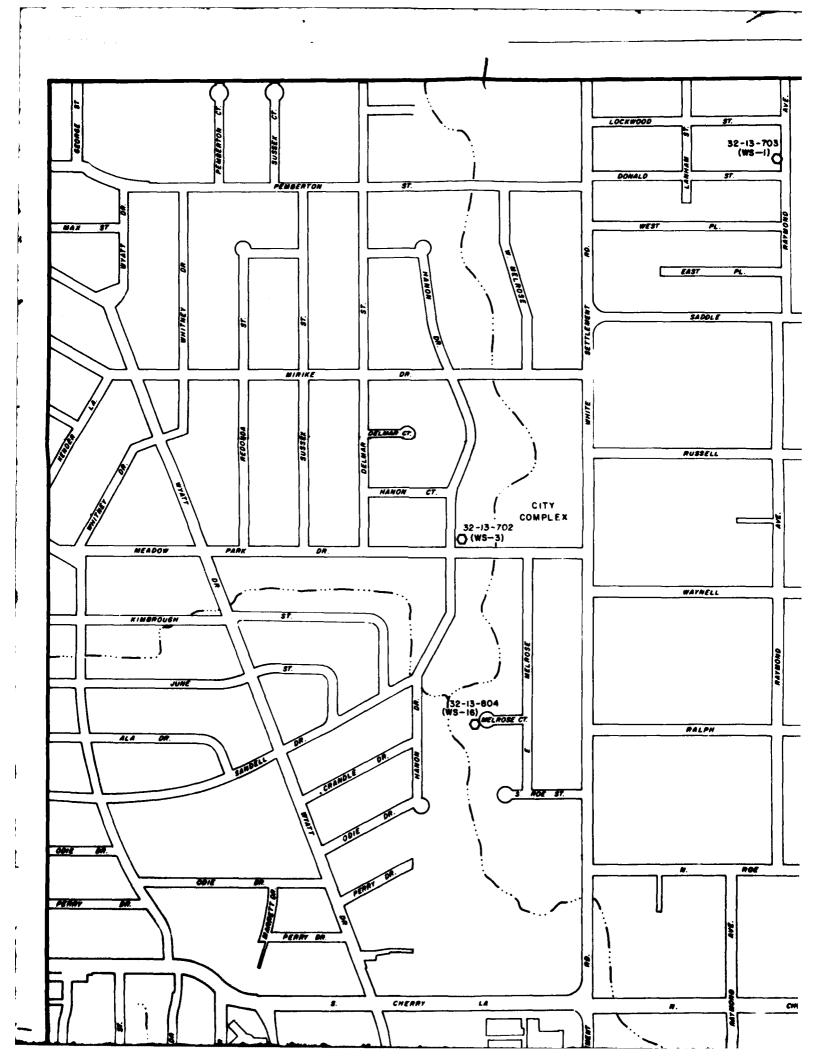
# PHASE II INVESTIGATION OF SUBSURFACE CONDITIONS AT U.S. AIR FORCE PLANT NO. 4 FORT WORTH, TEXAS

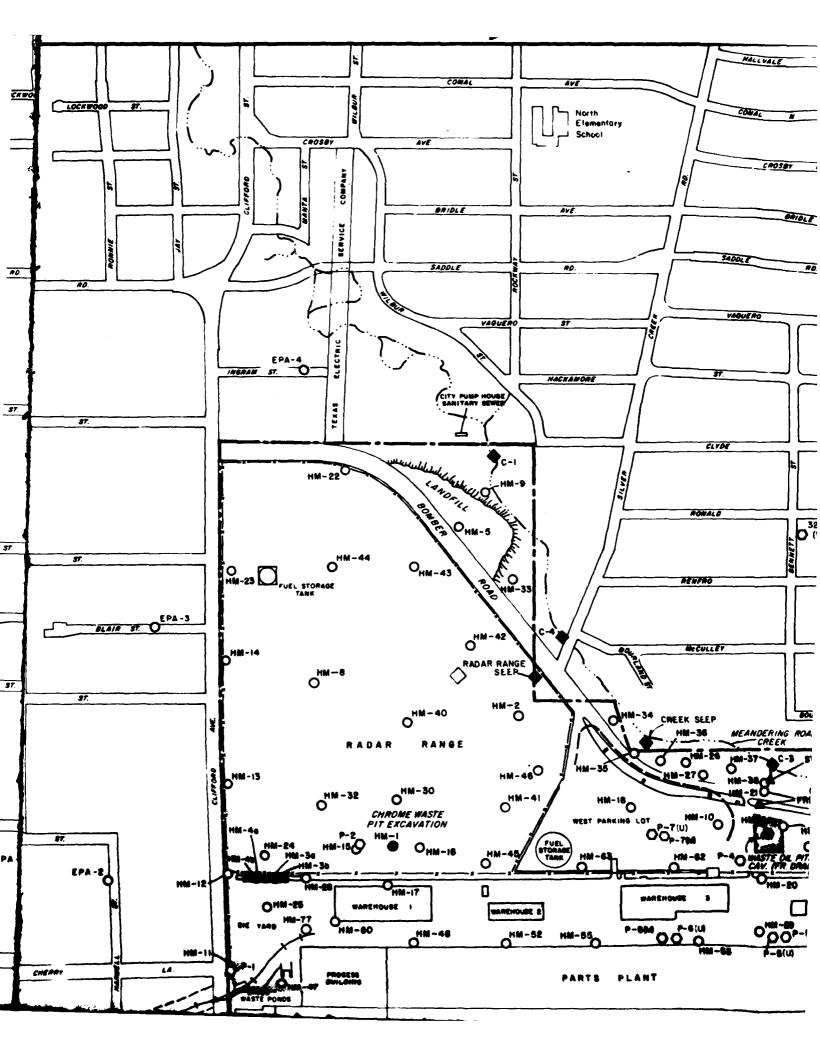
The two reports contain all water quality data collected at the plant by Hargis + Associates, Inc. during the Phase II investigation and subsequent groundwater monitoring activities conducted under the 1986 monitoring plan through May 1986.

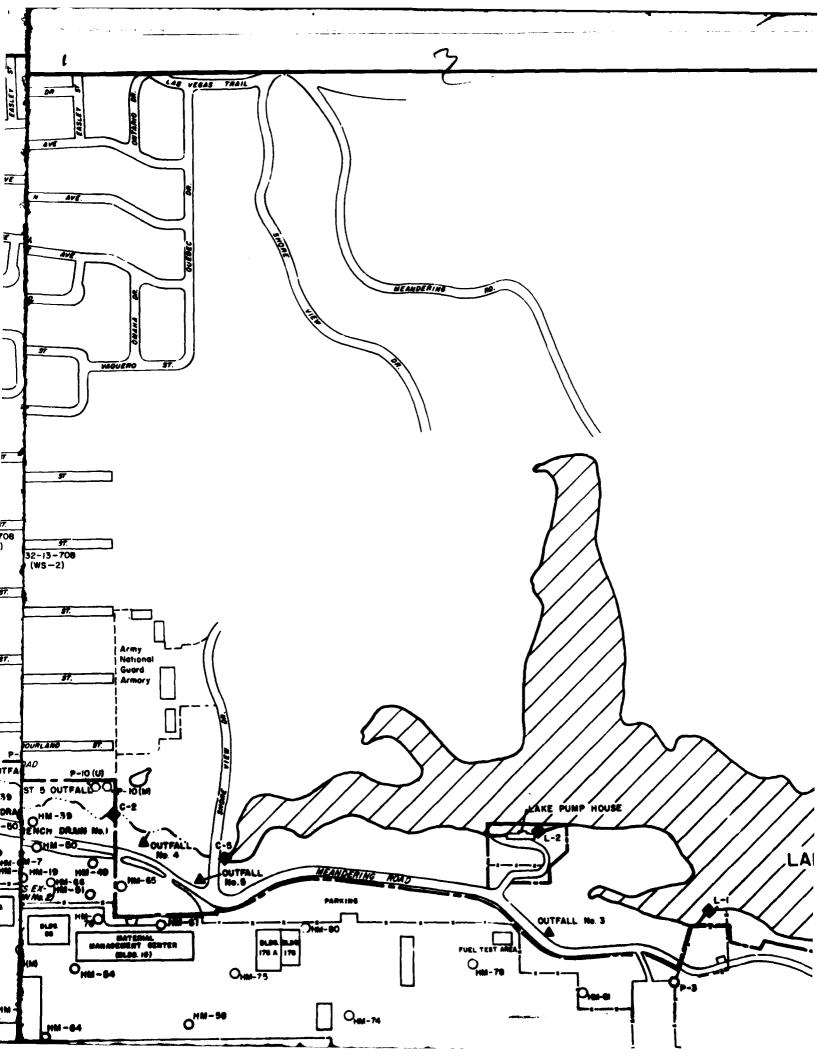




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### **EXPLANATION**

### WELLS COMPLETED IN UPPER ZONE

) MONITOR WELL CONSTRUCTED BY

U.S. AIR FORCE

● WELL DESTROYED

O MONITOR WELL CONSTRUCTED BY U.S.
ENVIRONMENTAL PROTECTION AGENCY

WELLS COMPLETED IN PALUXY FORMATION

 $\bigcirc^{32-13-803}_{\text{(WS-12)}} \qquad \text{white settlement municipal well}$ 

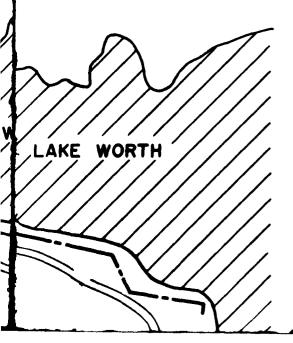
OP-7(U) UPPER PALUXY MONITOR WELL

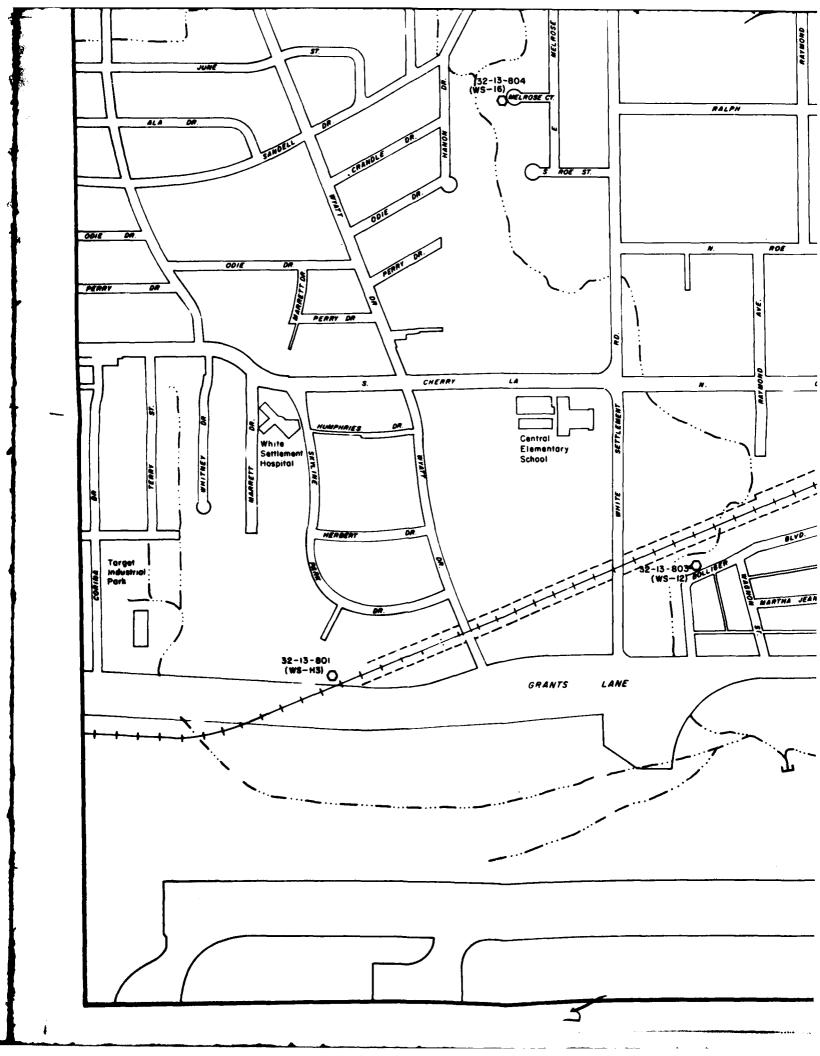
OP-7(M) MIDGLE PALUXY MONITOR WELL

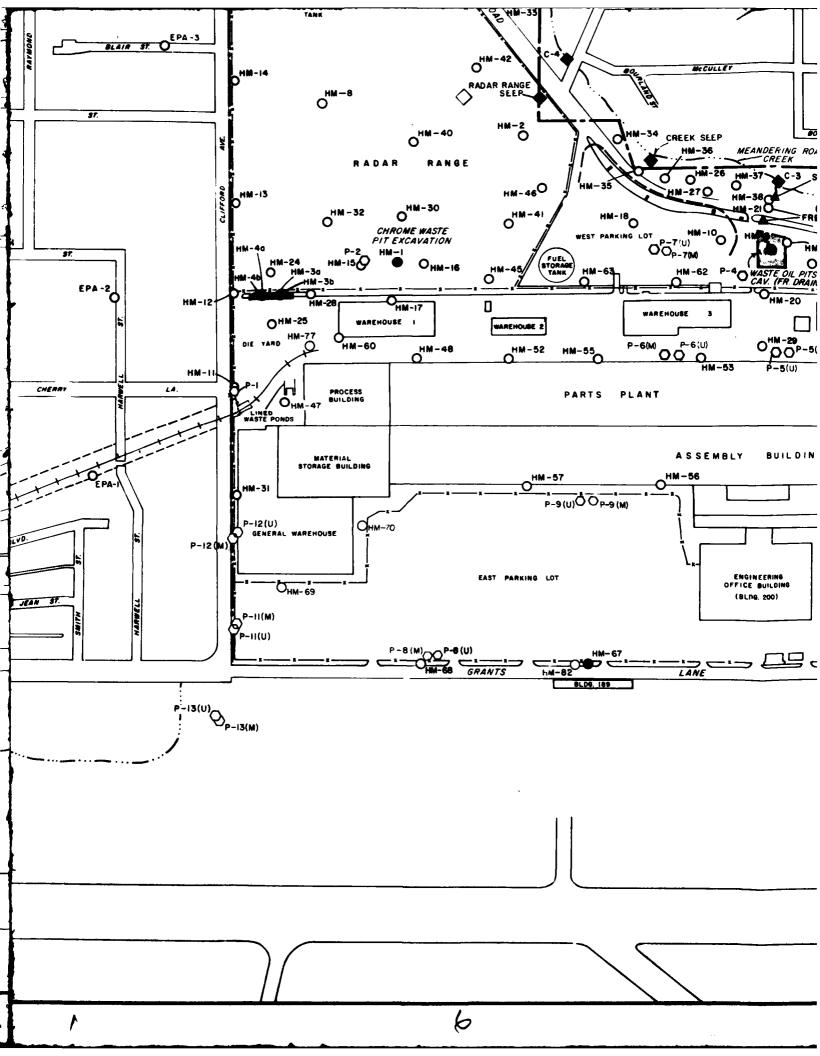
OP-4 COMPOSITE PALUXY MONITOR WELL

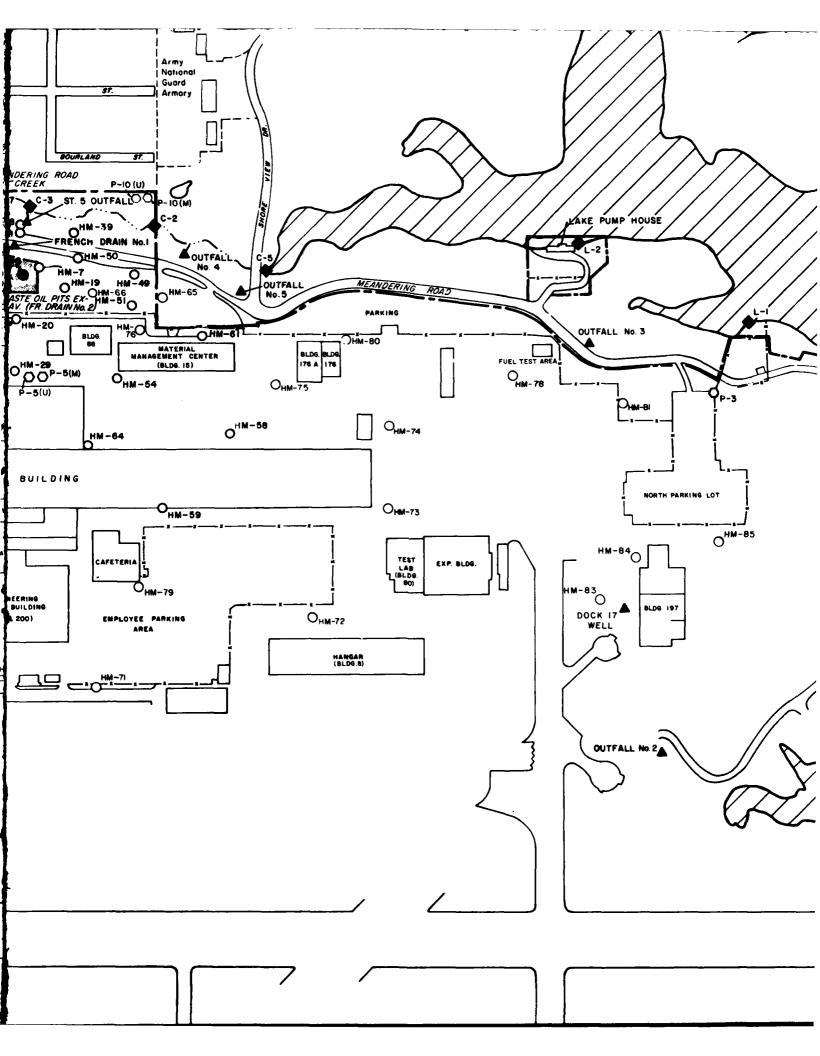
◆C-2 SURFACE WATER SAMPLING SITE

MISCELLANEOUS WATER SAMPLING SITE







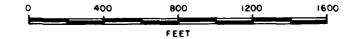




SURFACE WATER SAMPLING SITE

MISCELLANEOUS WATER SAMPLING SITE

NOTE- BASE MAP MODIFIED FROM GENERAL DYNAMICS MASTER PLOT PLAN MAP AND CITY OF WHITE SETTLEMENT SUBDIVISION MAP



### GENERAL DYNAMICS CORPORATION

U. S. AIR FORCE PLANT No. 4 FORT WORTH, TEXAS

### SAMPLING LOCATIONS



**HARGIS** + **ASSOCIATES**, INC. Consultants in Hydrogeology

AUGUST 1986

San Diego, California

FIGURE I

HARGIS + ASSOCIATES, INC.

### APPENDIX A

RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES

### A

### APPENDIX A

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TABLE A-1
RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS
IN WATER SAMPLES COLLECTED FROM
HM-20

CONSTITUENTS (milligrams per (iter)	11/06/85	10/08/85	DATE 08/26/85	SAMPLED
Calcium	130.00	140.00	150.00	
Magnesium	3.50	3.50	4.00	
Sodium	180.00	180.00	180.00	
Potassium	1.50	1.50	.43	
Carbonate	-1.00	-1.00	-1.00	
Bicarbonate	340.00	380.00	345.00	
Chloride	99.00	100.00	114.00	
Sulfate	62.00	63.00	88.00	
Nitrate	•••	•••	•••	
Fluoride	•••	•••		
Boron			•••	
Silica	•••	•••	•••	
TDS @ 180 oC	•••	•••	•••	
EC, unhos (field)	1250.00	1350.00	1100.00	
PH (field)	6.67	6.60	7.34	
Temperature (field), of	70.00	73.00	75.00	
Laboratory	Radian	Redian	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM HM-83

CONSTITUENTS (milligrams per liter)	11/08/85	DATE	SAMPLED	
Calcium	130.00			
Magnesium	17.00			
Sodium	89.00			
Potassium	1.30			
Carbonate	-1.00			
Bicarbonete	380.00			
Chloride	45.00			
Sulfate	104.00			
Nitrate	***			
Fluoride				
Boron	•••			
Silica	•••			
TDS 9 180 oC				
EC, umhos (field)	•••			
PH (field)	•••			
Temperature (field), of	•••			
imperature (fretd), or				
Laboratory	Radian			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### TABLE A-3

# RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM HM-84

COMSTITUENTS (milligrams per liter)	11/08/85	• • • • • • • • • • • • • • • • • • • •	. DATE	SAMPLED	•••••
Calcium	150.00				
Magnesium	14,00				
Sodium	210.00				
Potassium	1.70				
Carbonate	-1.00				
8 icarbonate	420.00				
Chloride	170.00				
Sulfate	220.00				
Nitrate	•••				
Fluoride	•••				
Boron	•••				
Silica	•••				
TDS @ 180 oc	•••				
EC, umhos (field)	1600.00				
PH (field)	6.99				
Temperature (field), of	68.00				
Laboratory	Radian				

<sup>(-)</sup>  $\approx$  Less than; numerical value is the Limit of Detection for that compound (---)  $\approx$  Not analyzed

### TABLE A-4

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM HM-85

CONSTITUENTS (milligrams per liter)	11/08/85	\$/
Calcium	170.00	
Magnesium	13.00	
Sodium	44.00	
Potassium	2.70	
Carbonate	-1.00	
Bicarbonate	320.00	
Chloride	29.00	
Sulfate	110.00	
Nitrate	•••	
Fluoride	•••	
Boron	•••	
Silica	•••	
TDS @ 180 oc	•••	
EC, umhos (field)	900.00	
PH (field)	6.60	
Temperature (field), oF	61.00	
Laboratory	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM P-8 UPPER

CONSTITUENTS (milligrams per liter)	06/25/85	06/25/85
Calcium	135.00	130.00
Magnesium	9.80	11.00
Sodium	22.00	43.00
Potassium	2.50	3.20
Carbonete	-1.00	ND
Bicarbonate	582,00	470.00
Chloride	44.00	41.00
Sulfate	63.00	38.00
Witrate	4.00	4.00
Fluoride	•••	.25
Boron	•••	•••
Silica	•••	***
TDS @ 180 oc	•••	
EC, umhos (field)	610.00	610.00
PH (field)	6.00	6.00
Temperature (field), of	74.00	74.00
Laboratory	Radian	Brown & Caldwell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE A-6

#### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM P-8 MIDDLE

CONSTITUENTS (milligrams per liter)	06/25/85	DATE 06/25/85	SAMPLED
Calcium	60.00	63.00	
Magnesium	23.00	23.00	
Sodium	34.00	69.00	
Potassium	5.40	6.30	
Carbonete	-1.00	ND	
Bicarbonate	241.00	240.00	
Chloride	19.00	19.00	
Sulfate	65.00	32.00	
Nitrate	50	1.70	
fluorida		.16	
Boron			
Silica	•••	•••	
TDS & 180 oC	•••	•••	
	480.00	480.00	
EC, umhos (field)	6.00	6.00	
Temperature (field), of	72.00	72.00	
Laboratory	Radian	Brown &	
		Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### TABLE A-7

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM P-11 MIDDLE

COMSTITUENTS (milligrams per liter)	08/28/85 DATE	S/
Calcium	54.00	
Magnesium	20.00	
Sodium	57.00	
Potassium	5.60	
Carbonate	-1.00	
Bicarbonete	263.00	
Chloride	18.00	
Sulfate	48.00	
	10.00	
Mitrate		
Fluoride	•••	
Boron	•••	
Silica	•••	
TDS & 180 oC		
EC, umhos (field)	•••	
	•••	
PH (field)	•••	
Temperature (field), of	•••	
Laboratory	Radian	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE A-8

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM P-12 UPPER

CONSTITUENTS (milligrams per liter)	01/09/86	12/12/85	DATE	SAMPLED	
Calcium	41.00	540.00			
Magnesium	13.00	38.00			
Sodium	44.00	44.00			
Potassium	6.50	12.00			
Carbonate	-1.00	-1.00			
Bicarbonate	225.00	174.00			
Chloride	11.00	16.00			
Sulfate	47.00	65.00			
Nitrate	20	•••			
Fluoride		•••			
Boron	• • •	***			
Silica	•••	•••			
TDS 2 180 oC		•••			
EC, umhos (field)	485.00	•••			
PH (field)	7.90				
Temperature (field), of	64.00	•••			
Laboratory	Radian	Radian			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE A-9

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM P-13 UPPER

CONSTITUENTS (milligrams per liter)	05/07/86	04/09/86	. DATE	SAMPLED	
Calcium	120.00	170.00			
Magnes i um	.03	ND			
Sodium	78.00	81.00			
Potassium	21.00	20.00			
Carbonate	43.00	40.00			
Bicarbonate	ND	ND			
Chloride	146.00	240.00			
Sulfate	51.00	26.00			
Nitrate	.40	ND			
Fluoride	.55	ND			
Boron	10	ND			
Silica	18.00	ND			
TDS a 180 oC	710.00	720.00			
EC, unhos (field)	1550.00	1600.00			
PH (field)	11.10	11.50			
Temperature (field), of		•••			
Laboratory	<b>8C</b>	Brown & Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

# RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM CREEK STATION C-5

CONSTITUENTS (ligrams per liter)	08/26/85	••••••	DATE	SAMPLED	•••••	•••••	. • • • •
	39.00						
	8.40						
	28.00						
	5.50						
*•	-1.00						
	28.00						
	•••						
<b>e</b>	•••						
	•••						
***************************************	•••						
80 oC	•••					•	
	410.00						
	89.00						
ory	Radian						
	CONSTITUENTS  (ligrams per liter)  Lum	1.00   111.00   128.00   128.00   128.00   128.00   128.00   128.00   139	39.00	39.00	39.00	1.00	39.00

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

### TABLE A-11

### RESULTS OF ANALYSES FOR COMMON ION CONSTITUENTS IN WATER SAMPLES COLLECTED FROM CREEK SEEP

CONSTITUENTS (milligrams per liter)	08/26/85	DA'	TE SAMPLED	••••••
Calcium	190.00			
Magnesium	9.10			
Sodium	50.00			
Potassium	1.60			
Carbonate	-1.00			
Bicarbonate	262.00			
Chloride	-15.00			
Sulfate	209.00			
Nitrate	•••			
Fluoride	•••			
Boron	• • •			
Silica	•••			
TDS @ 180 oc				
	990.00			
EC, umhos (field)PH (field)	8.41		•	
	75.00			
Temperature (field), of	73.00			
Laboratory	Radian			
•				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



HARGIS + ASSOCIATES, INC.

APPENDIX B

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE

IN WATER SAMPLES



### APPENDIX B

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### HARGIS + ASSOCIATES, INC.



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TABLE B-1

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE
IN WATER SAMPLES COLLECTED FROM
HM-20

CONSTITUENTS (milligrams per liter)	12/12/85	11/06/85	DATE 10/08/85	SAMPLED
Antimony	•••	•••	•••	•••
Arsenic	0030	0030	0020	·.0020
Berium	•••	•••	•••	•••
Beryllium				
Cadmium	002ช	0020	0020	0020
Chromium (total)	.0960	.2100	.1900	.1700
Chromium (trivalent)		•••		•••
Copper	0010	.0040	0010	.0150
Cyanide	•••	•••	•••	•••
Iron	0080	.2000	.6700	.0840
Lead	0020	0020	.0040	0020
Hanganese	•••			•••
Mercury	0002	0002	0002	0002
Molybdenum	•••	•••	•••	•••
Nickel	•••	•••	•••	•••
Selenium	.0090	.0130	.0030	0020
Silver	0020	.0030	-,0020	
Strontium	.2300	.3200	.3300	.3700
Thailium	•••	***	•••	•••
Zinc	•••	•••	•••	· · · · · · · · · · · · · · · · · · ·
Laboratory	Radian	Radian	Radian	Radian

<sup>(-)</sup>  $\approx$  Less than; numerical value is the Limit of Detection for that compound (---)  $\approx$  Not analyzed

TABLE B-2

CONSTITUENTS (milligrams per liter)	04/05/86	01/10/86	DATE 10/08/85	SAMPLED
Antimony	•••	•••	••••	
Arsenic	•••	***	0020	0020
Barium	•••	•••	•••	•••
Beryllium	•••	•••		
Cadini un	•••	•••	0020	0020
Chromium (total)	0400	.0220	.0150	.1800
Chromium (hexavalent)	•••	•••	• • •	•••
Chromium (trivalent)	•••	•••	•••	•••
Copper	•••	•••	.0210	0010
Cyanide	•••	•••	•••	•••
Iron	•••	•••	.1200	0080
Lead	•••	•••	.0050	0020
Manganese	***	• • •	•••	0010
Hercury		•••	0002	.0004
Molybdenum	***	•••	•••	
Nickel	•••	•••	•••	•••
Selenium	•••	•••	0020	0020
Silver	•••		•.0020	0020
Strontium	•••		.3000	. 1800
Thallium	•••	•••	•••	•••
Zine	•••	•••	•••	.4400
Laboratory	Brown & Caldwell	Radian	Radian	Radien

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-3

CONSTITUENTS (milligrams per liter)	10/11/85	06/30/85	SAMPLED	••••••
Antimony	•••	•••		
Arsenic	.0030	0020		
Barium	•••	•••		
Beryllium	•••	•••		
Cacinium	اد. ١٥٠-	0020		
Chromium (total)	.0570	0050		
Chromium (hexavalent)	•••	***		
Chromium (trivalent)	•••	•••		
Copper	0010	0010		
Cyanide	•••	•••		
1ron	2.6000	0080		
Lead	.0070	.0030		
Manganese	•••	.0050		
Mercury	.0002	.0002		
Molybdenum	•••	•••		
Nickel		•••		
Selenium	.0050	0020		
Silver	0020	0020		
Strontium	.6300	.6000		
Thallium	•••	•••		
Zinc	•••	.0650		
Laboratory	Radian	Radian		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-4

CONSTITUENTS (milligrams per liter)	04/05/86	06/29/85 DATE	SAMPLED
Antimony	•••	•••	
Arsenic	•••	0020	
Barium	• • •	•••	
Beryllium	• • •	•••	
Cadmium	•••	·.0020	
Chromium (total)	-,0400	0050	
Chromium (hexavalent)	•••	•••	
Chromium (trivalent)			
Copper		·.0010	
Cyanide	•••	•••	
1ron	•••	0080	
Lead	•••	.0130	
Manganese		0010	
Mercury	•••	.0004	
Molybdenum	•••	•••	
Nickel	•••	• • •	
Selenium		0020	
Silver	•••	.0050	
Strontium		.2400	
Thailium	•••	•••	
Zine	•••	.0830	
Laboratory	Brown & Caldwell	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



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### TABLE B-5

# RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-48

10/09/85	SAMPLED
•••	
0020	
•••	
•••	
0020	
-0110	
•••	
•••	
.0130	
•••	
.0990	
*****	
•••	
0002	
•	
•••	
•.0020	
.0040	
. 1700	
•••	
	.0020 .0110 .0130 .0990 .0020 .0002

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound
(---) = Not analyzed

TABLE B-6

CONSTITUENTS (milligrams per liter)	06/30/85 DATE	SAMPLED	••••••
Antimony	•••		
Arsenic	0020		
Barium	•••		
Seryllium			
Codini Lati	·.0020		
Chromium (total)	0050		
Chromium (hexavalent)	•••		
Chromium (trivalent)	•••		
Copper	0010		
Cyanide	•••		
Iron	.4200		
Lead	.0040		
Manganese	.1700		
Hercury	0002		
Nolybdenum	•••		
Nickel	•••		
Selenium	0020		
Silver	•.0020		
Strontium	5.8000		
Theilium	•••		
Zinc	.0410		
Laboratory	Radian		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



HARGIS + ASSOCIATES, INC.

TABLE B-7

CONSTITUENTS (milligrams per liter)	06/30/85	06/30/85	SAMPLED	•••••••••••••••••••••••••••••••••••••••
Antimony	•••	•••		
Arsenic	0020	0025		
Barium	•••	•••		
Beryllium	•••	•••		
Cadini um	0020	.0004		
Chromium (total)	0050	0020		
Chromium (hexavalent)	•••	•••		
Chromium (trivalent)	•••	•••		
Copper	0010	0900		
Cyanide	• • •	•••		
[ron	0080	1100		
Lead	0050	.0055		
Manganese	0010	0600		
Mercury	.0006	• • •		
Molybdenum	•••	•••		
Nickel	•••	•••		
Selenium	0020	• • •		
Silver	0020	0500		
Strontium	1.6000	1.7000		
Thallium	•••	•••		
Zinc	0030	.0600		
Laboratory	Radian	Brown & Caldwell		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-8

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-68

CONSTITUENTS (milligrams per liter)	04/08/86	01/09/86	DATE 07/01/85	SAMPLED
Antimony	•••		•••	•
Arsenic	•••	• • •	0020	
Barium	• • •	•••	•••	
Beryllium		•••	•••	
Cadnium	•••	•••	-,0020	
Chromium (total)	0300	.0210	0050	
Chromium (hexavalent)	•••		•••	
Chromium (trivalent)	•••	• • •	•••	
Copper	• • •	• • •	0010	
Cyanide	•••	•••	•••	
Iron	•••	•••	0080	
Lead	.1200	.0380	.0020	
Manganese	•••		.0190	
Mercury	•••		.0004	
Molybdenum	•••	•••	•••	
Nickel	•••	•••	•••	
Selenium	•••	•••	0020	
Silver	•••		0020	
Strontium	•••	•••	.3400	
Thallium	•••	•••	•••	
Zinc	•••	•••	.0320	
Laboratory	Brown & Caldwell	Radian	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-9

CONSTITUENTS			DATE	SAMPLED
(milligrams per liter)	04/02/86	10/12/85	07/01/85	WWW.550
Antimony	•••	•••	•••	
Arsenic	•••	.0020	0020	
Barium	•••	•••	•••	
Beryllium		•••	•••	
Cadmium	•••	0020	0020	
Chromium (total)	0400	.0100	0050	
Chromium (hexavalent)	•••	•••	•••	
Chromium (trivalent)	•••	•••	•••	
Copper	•••	0010	0010	
Cyanide	•••	•••	•••	
Iron	•••	1,4000	0080	
Lead	•••	.0030	0020	
Manganese	•••	•••	0010	
Hercury	•••	.0002	.0002	
Molybdenum	***	•••	•••	
Nickel	•••	•••	•••	
Selenium	•••	0040	0020	
Silver	•••	0020	.0070	
Strontium	•••	.6800	.5300	
Thattium	•••	•••	•••	
Zinc	•••	•••	.0400	
Laboratory	Brown & Caldwell	Radian	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-10

CONSTITUENTS (milligrams per liter)	04/07/86	06/28/85	DATE 06/28/85	SAMPLED
Antimony	•••	·.0020	0110	
Beryllium		0020	0002	
Chromium (total)	.0600	.0600	.0600	
Cyanide	•••	• .0010	0 <del>9</del> 00	
Iron	•••	.0790 0020 0010 0002	1000 0030 0600 0010	
NickelSeleniumSilverStrontium		0020 0020 3400	0085 0500 .3600	
Zinc	•••	.0270	0200	
Laboratory	Brown & Calchell	Radian	Brown & Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

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CONSTITUENTS (milligrams per liter)	10/13/85	06/28/85	SAMPLED
Antimony	•••	•••	
Arsenic	.0030	0020	
Barium	•••	•••	
Beryllium			
Cacimi um	0020	0020	
Chromium (total)	.1600	.1000	
Chromium (hexavalent)	•••	•••	
Chromium (trivalent)	•••	•••	
Copper	0010	0010	
Cyanide	•••	•••	
Iron	1.1000	0080	
Lead	0020	.0030	
Manganese	•••	0010	
Mercury	.0004	.0004	
Molybdenum	•••		
Nickel	•••	•••	
Selenium	.0040	0020	
Silver	0020	0020	
Strontium	.2600	.2400	
Theilium	•••	•••	
Zinc	•••	0030	
Laboratory	Radian	Radian	

<sup>(\*)</sup>  $\approx$  Less than; numerical value is the Limit of Detection for that compound (\*--)  $\approx$  Not analyzed

CONSTITUENTS (milligrams per liter)	06/28/85	SAMPLED
Antimony	***	
Arsenic	0020	
Barium	•••	
Beryllium	0020	
Cadmium	- :0020	
Chromium (total)	0050	
Chromium (hexavalent)	•••	
Chromium (trivalent)	• • •	
Copper	0010	
Cyanide	•••	
[ron	.0830	
Lead	0020	
Manganese	.0450	
Mercury	0002	
Molybdenum	•••	
Nickel	•••	
Selenium	0020	
Silver	·.0020	
Strontium	.8500	
Thallium	•••	
Zinc	.0340	
Laboratory	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-13

CONSTITUENTS (milligrams per liter)	10/12/85	DATE 06/27/85	SAMPLED	•••••
Antimony	•••			
Arsenic	0020	.0030		
Barium	•••	•••		
Beryllium	0020	0020		
Chromium (total)	.0130	.0110		
Chromium (hexavalent)	•••	•••		
Chromium (trivalent)	0010	0010		
Copper	0010	•••		
Iron	.6800	.6500		
Lead	.0030	0020		
Manganese	•••	. 1500		
Mercury	.0002	0002		
Molybdenum	• • •	•••		
Nickel	•••	•••		
Selenium	.0110	0020		
Silver	0020	0020		
Strontium	4.9000	7.0000		
Thallium	•••	•••		
Zinc	•••	.0720		
Laboratory	Radian	Radian		

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-14

CONSTITUENTS (milligrams per liter)	06/26/85	DATE SAMPLED	•••••	• •
Antimony	•••			
Arsenic	0020			
Barium	•••			
Beryllium	•••			
Cadmium	0020			
Chromium (total)	.0060			
Chromium (hexavalent)	•••			
Chromium (trivalent)	•••			
Copper	0010			
Cyanide	***			
Iron	.1300			
Lead	.0030			
Manganese	.1200			
Mercury	.0012			
Molybdenum	***			
Nickel	•••			
Selenium	0020			
Silver	0020			
Strontium	1.6000			
Thallium	•••			
Zinc	.0260			
Laboratory	Radian			

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



### RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-75

CONSTITUENTS (milligrams per liter)	06/27/85	•••••	DATE	SAMPLED	••••••
Antimony	·.0020  ·.0020	•			
Chromium (total)	0050  0010				
IronLead	.1700 0020 .2100 0002				
NickelSeleniumSilverStrontium	0020 0020 2.5000				
Zinc	.0240				
Laboratory	Radian				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

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CONSTITUENTS (milligrams per liter)	06/27/85	DATE	SAMPLED	••••••
AntimonyArsenic				•
Barium	•.0020			
Beryllium	***			
Cadmium	0020			
Chromium (total)	.0110			
Chromium (hexavelent)	•••			
Chromium (trivalent)	•••			
Copper	.0070			
Cyanide	•••			
Iron	.0520			
Lead	0020			
Manganese	.0390			
Mercury	0002			
Molybdenum	•••			
Nickel	•••			
Selenium	0020			
Silver	0020			
Strontium	3.3000			
Thallium	***			
Zinc	.0680			
Laboratory	Radian			

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-17

CONSTITUENTS (milligrams per liter)	04/04/86	06/28/85	SAMPLED	•••••
Antimony	•••	•••		
Arsenic	•••	0020		
Barium	•••	•••		
Beryllium		• • •		
Cadinium	•••	0020		
Chromium (total)	.0400	0050		
Chromium (hexavelent)	•••			
Chromium (trivalent)		•••		
Copper	•••	0010		
Cyanide	•••	•••		
Iron	•••	.0160		
Lead	•••	0020		
Manganese	•••	·.0010		
Mercury	•••	0002		
Mol ybdenum		•••		
Nickel		•••		
Selenium	•••	0020		
Silver	•••	0020		
Strontium	•••	.3500		
Thellium	•••			
Zinc	•••	.0110		
Laboratory	Brown & Caldwell	Radian		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



CONSTITUENTS (milligrams per liter)	07/01/85	SAMPLED
Antimony		
Arsenia	.0240	
Barium	•••	
Beryllium	0020	
Cadini um	0020	
Chromium (total)	0050	
Chromium (hexavalent)	•••	
Chromium (trivalent)	•••	
Copper	0010	
Cyanide	•••	
Iron	.4100	
Lead	.0120	
Manganese	.0670	
Mercury	- ,0002	
Molybdenum	•••	
Nickel	•••	
Selenium	_0040	
Silver	0020	
Strontium	1,1000	
Thallium	•••	
Zinc	.0050	
Laboratory	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

CONSTITUENTS (milligrams per liter)	06/26/85	DATE S	SAMPLED	•••••
Antimony	•••			
Arsenic	0020			
Barium	•••			
Beryllium				
Cadini um	0020			
Chromium (total)	0050			
Chromium (hexavalent)	•••			
Chromium (trivalent)	•••			
Copper	0010			
Cyanide	•••			
Iron	.7600			
Lead	0020			
Manganese	.0830			
Mercury	.008			
Molybdenum	•••			
Nickel				
Selenium	0020			
Silver	0020			
Strontium	1.9000			
Thatlium				
21nc	.0240			
Laboratory	Radian			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



	NSTITUENTS prams per liter)	06/30/85	DATE	SAMPLED	
		•••			
	***************	0020			
	***************	•••			
		•••			
Cadini UM	•••••	0020			
Chromium (1	otal)	0050			
	(hexavalent)	•••			
Chromium	(trivalent)	•••			
Copper		0010			
Cyanide		•••			
Iron	•••••	0080			
		.0020			
	******	.0010			
	•••••	.0040			
Molybdenum.		•••			
Nickel		•••			
		0020			
	•••••	0020			
		.9500			
		•••			
Zinc	•••••	.0350			
Laboratory	••••••	Radian			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-21

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-82

CONSTITUENTS (milligrams per liter)	04/08/86	01/09/86	DATE 10/12/85	SAMPLED
Antimony	•••	•••	•••	•••
Arsenic	•••	•••	.0060	0020
Barium	•••	•••	•••	•••
Beryllium	•••	•••	•••	•••
Cadini um	•••	•••	0020	0020
Chromium (total)	.2800	.3400	.4100	.3200
Chromium (hexavalent)	•••	•••	•••	•••
Chromium (trivalent)	•••	•••	•••	•••
Copper	•••	•••	0010	0010
Cyanide	•••	•••	•••	•••
Iron	•••	•••	2,0000	080
Lead	•••	•••	.0090	.0020
Manganese		•••	•••	0010
Mercury	• • •	•••	0002	.0004
Molybdenum	•••	•••	•••	
Nickel	•••			•••
Selenium	•••	•••	0040	0020
Silver		•••	0020	0020
Strontium		•••	.3300	.3000
Thallium	•••	•••	•••	
Zinc	•••	•••	•••	.0190
Laboratory	Brown & Caldwell	Radian	Radian	Radian

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-22

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-83

CONSTITUENTS	**********	••••••	DATE	SAMPLED
(milligrams per liter)	05/08/86	05/08/86	12/12/85	11/08/85
Antimony	•••	-1.0000	•••	•••
Arsenic	•••	0100	.0050	0030
Barium	•••	5000	•••	•••
Beryllium	•••	0100	•••	•••
Cadmium	•••	0050	0020	0020
Chromium (total)	•••	0100	0050	.0100
Chromium (hexavalent)	•••	•••		•••
Chromium (trivalent)	•••	•••	•••	•••
Copper	• • •	0100	0010	.0110
Cyanide	•••	•••	•••	
Iron	9.9000	.0700	6.0000	.0700
Lead	•••	0100	.0050	0020
Hanganese	•••	.8400	•••	•••
Mercury	• • •	.0003	.0003	0002
Molybdenum	•••	•••	•••	
Nickel	•••	0500	•••	
Selenium	•••	0050	.0080	_0060
Silver		0100	0020	0020
Strontium	•••	.6000	.6800	.6700
Thallium	•••	5000	•••	
Zinc	•••	0100	•••	•••
Laboratory	Radian	ВС	Radian	Radian

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-23

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-84

CONSTITUENTS			DATE	SAMPLED
(milligrams per liter)	05/07/86	05/07/86	12/12/85	11/08/85
Antimony		-1.0000	•••	•••
Arsenic	•••	0100	.0030	0030
8arium		5000	•••	•••
Beryllium	•••	0100	•••	•••
Cadinium	•••	0050	0020	0020
Chromium (total)		0100	0050	.0060
Chromium (hexavalent)		•••	•••	•••
Chromium (trivalent)	•••	•••	•••	•••
Copper		0100	0010	0010
Cyanida	•••	•••	•••	•••
Iron	4.5000	.3500	6.0000	.2900
Lead	•••	0100	.0030	0020
Manganese		. 1600		•••
Mercury	•••	.0003	.0003	0002
Molybdenum	•••	•••	•••	•••
Nickel	•••	0500	•••	•••
Selenium	•••	0050	.0100	.0130
Silver	•••	0100	0020	0020
Strontium	•••	.6000	.7000	.8200
Thallium	•••	5000	•••	•••
Zinc	•••	.0100	•••	•••
Laboratory	Radian	BC	Radian	Radian

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



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TABLE B-24 RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM HM-85

CONSTITUENTS			DATE	SAMPLED
(milligrams per liter)	05/07/86	05/07/86	12/12/85	11/08/85
Antimony	•••	-1.0000	•••	•••
Arsenic	••-	0100	.0030	0030
Barium		5000	•••	•••
Beryllium	•••	0100	•••	•••
Cadmi um	•••	0050	0020	0020
Chromium (total)	•••	0100	.4800	.0090
Chromium (hexavalent)	•••	•••	•••	•••
Chromium (trivalent)	•••	• • •	•••	•••
Copper	•••	0100	0010	.0040
Cyanide	•••	•••	•••	•••
Iron	3,6000	.3700	5.0000	.0300
Lead	3.6000	.0100	.0040	0020
Manganese	•••	.1000	.0040	•.0020
Mercury		.0005	0002	•.0002
Molybdenum	•••	.000	0002	•
not your rails				•••
Nickel	•••	0050	•••	•••
Selenium	•••	0050	.0100	0030
Silver		0100	0020	.0040
Strontium	•••	.3000	.3900	.5000
Thallium	•••	5000	• • •	•••
Zinc		.0500	•••	•••
Laboratory	Radian	ВС	Radian	Radian

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-25

CONSTITUENTS (milligrama per liter)	04/04/86	01/10/86	DATE 07/01/85	SAMPLED
Antimony	•••		•••	
Arsenic	•••	•••	0020	
Barium	• • •	•••	• • •	
Beryllium		•••	•••	
Cadmium	•••	•••	0020	
Chromium (total)	.0400	.0230	0050	
Chromium (hexavalent)	•••	•••	•••	
Chromium (trivalent)	•••		•••	
Copper		•••	.0480	
Cyanide	•••	•••	•••	
Iron	•••	•••	.0460	
Lead	.1400	.1200	.1300	
Manganese	•••	•••	0010	
Mercury			.0004	
Molybdenum	•••	•••		
Nickel			•••	
Selenium	•••	•••	0020	
Silver		•••	0020	
Strontium	•••		5.9000	
Thattium	•••	•••		
Zinc	•••		.6500	
Laboratory	Brown & Caldwell	Radian	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



CONSTITUENTS (milligrams per liter)	DATE SAMPLED
Antimony	•••
Arsenic	0020
Barium	•••
Beryllium	•••
Cadmium	0020
Chromium (total)	0050
Chromium (hexavalent)	•••
Chromium (trivalent)	•••
Copper	0010
Cyanide	•••
Iron	.0570
Lead	0020
Manganese	.0120
Mercury	0002
Molybdenum	
Nickel	•••
Selenium	0020
Silver	0020
Strontium	8.7000
Thallium	•••
Zinc	2.9000
Laboratory	Radian

<sup>(</sup>  $\cdot$  ) = Less than; numerical value is the Limit of Detection for that compound ( $\cdot\cdot\cdot$ ) = Not analyzed

TABLE B-27

1

CONSTITUENTS (milligrams per liter)	06/25/85	06/25/85	DATE	SAMPLED	•••••	• • • • • • • • • • • •	• • • • •
Antimony	•••	•••					
Arsenic	0020	0024					
Barium	•••	5000					
Beryllium	•••	•••					
Cadmium	0020	•••					
Chromium (total)	0050	0005					
Chromium (hexavalent)		•••					
Chromium (trivalent)		•••					
Copper	0010	0800					
Cyanide	•••	•••					
Iron	.0370	0900					
Lead	.0220	.0090					
Manganese	.0130	.0700					
Mercury	.0010	•••					
Molybdenum		•••					
Nickel	•••	.0040					
Selenium	0020	•••					
Silver	0020	•••					
Strontium	1.8000	1.9000					
Thallium	•••	•••					
Zinc	5.7000	5.6000					
Laboratory	Radian	Brown & Caldwell					

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-28

CONSTITUENTS			DATE	SAMPLED
(milligrams per liter)	05/08/86	06/25/85	05/09/85	
Antimony	-1.0000	•••	•••	
Arsenic	0100	•••	.0036	
Barium	5000	•••	•••	
Beryllium	0100	•••		
Cadmium	0050	•••	0020	
Chromium (total)	0100	•••	0050	
Chromium (hexavalent)	•••	•••	•••	
Chromium (trivalent)	•••		•••	
Copper	0100	0900	.0050	
Cyanide	•••	•••	•••	
Iron	.1200	1000	0080	
Lead	0100	•••	0020	
Manganese	.0300	.5100	.0160	
Mercury	0002	•••	0002	
Molybdenum	•••	•••	•••	
Nickel	0500	•••	.0140	
Selenium	0050	•••	0020	
Silver	0100	•••	.0050	
Strontium	2,1000	•••	3.9000	
Thallium	5000	•••	•••	
Zinc	.2400	.1600	.0830	
Laboratory	8C	Brown & Caldwell	Radian	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

CONSTITUENTS (milligrams per liter)	06/25/85	SAMPLED	•••••••••••
Antimony Arsenic Barium Beryllium	0020		
Cadmium	0020		
Chromium (total)	.0060  0010		
Iron Lead Manganese Hercury Holybdenum	.0840 .0040 3.4000 .0006		
Nickel Selenium Silver Strontium	0020 0020 8500		
Zinc	1.5000		
Laboratory	Radian		

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



CONSTITUENTS (milligrams per liter)	08/28/85	ATE SAMPLED	•••••••••••••••••••••••••••••••••••••••
Antimony	•••		
Arsenic	0020		
Barium	•••		
Beryllium			
Cadmium	0020		
Chromium (total)	0050		
Chromium (hexavalent)	•••		
Chromium (trivalent)	•••		
Copper	0010		
Cyanide	•••		
Iron	.0280		
Lead	· .0020		
Manganese	•••		
Mercury	0002		
Molybdenum	•••		
Hickel	***		
Selenium	0020		
Silver			
Strontium	3.5000		
That lium	•••		
Zinc			
Laboratory	Radian		

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE B-31

RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM P-12 UPPER

anuari TistiTa			DATE	SAMPLED
CONSTITUENTS (milligrams per liter)	05/07/86	05/07/86	01/09/86	12/12/85
Antimony	•••	-1.0000	•••	•••
Arsenic	•••	0100	.0300	.0240
Bariu	•••	5000	•••	•••
Beryllium		0100	•••	•••
Cacinium	***	0050	0020	0020
Chromium (total)		0100	.0060	.1800
Chromium (total)	•••	•••	•••	•••
Chromium (nexavaturi)	•••	•••	•••	•••
••••	•••	0100	.0120	.0930
Copper	•••	•••	•••	•••
Iron	.1700	. 1300	1.6000	77.0000
Lead		0100	.0070	.1000
= -	•••	.0600	.0760	•••
Manganese	•••	0002	0002	0020
Hercury		•••	•••	•••
Molybdenum	***			
Nickel	•••	0500		
Selenium		0050	0030	0040
Silver	•••	0100	.0050	4,3000
Strontium	•••	1.6000	2.6000	4.3000
Thellium	•••	5000	•••	•••
Zinc	•••	.4100	1.5000	•••
Laboratory	Radian	ВС	Radian	Radian

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-32

· ·				
CONSTITUENTS (milligrams per liter)	05/07/86	04/09/86	SAMPLED	•••••
Antimony	-1.0000	•••		,
Arsenic	0100	•••		
Barium	5000	•••		
Beryllium	0100	•••		
Cadmium	0050	•••		
Chromium (total)	0100	•••		
Chromium (hexavalent)	•••	•••		
Chromium (trivalent)	•••	•••		
Copper	.1400	•••		
Cyanide	•••	•••		
Iron	.6400	•••		
Lead	.1700	.0380		
Manganese	.0600	•••		
Mercury	0002	•••		
Molybdenum	•••	•••		
Nickel	0500	•••		
Selenium	0050	•••		
Silver	0100	•••		
Strontium	1.1000	2.9000		
Thellium	5000	•••		
Zinc	4.4000	.2100		
Laboratory	8C	Brown & Calchell		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Mot analyzed

TABLE B-33

CONSTITUENTS (milligrams per liter)	05/08/86	05/09/85	SAMPLED
Antimony	-1.0000	•••	
Arsenic	0100	.0030	
Berium	5000	•••	
Beryllium	0100	•••	
Cadinium	0050	0020	
Chromium (total)	0100	.0090	
Chromium (hexavalant)	•••		
Chromium (trivalent)	•••	•••	
Copper	0100	.0100	
Cyanide	•••	•••	
Iron	.0800	0080	
Lead	0100	0020	
Manganese	0100	0010	
Mercury	.0003	0002	
Molybdenus	•••	•••	
Nickel	0500	.0090	
Selenium	0050	0020	
Silver	0100	.0100	
Strontium	.4000	.6600	
Thallium	5000	***	
Zinc	.0300	.0220	
Laboratory	BC	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-34

CONSTITUENTS (milligrams per liter)	05/08/86	05/09/85	SAMPLED
Antimony	-1,0000	•••	
Arsenic	0100	0020	
Barium	5000	•••	
Beryllium	0100	•••	
Cadinium	·.0050	0020	
Chromium (total)	0100	0050	
Chromium (hexavalent)	•••	•••	
Chromium (trivalent)	•••	•••	
Copper	· .0100	.0070	
Cyanide	•••	•••	
Iron	.2800	.2600	
Lead	0100	0020	
Manganese	.2700	.0020	
Hercury	.0003	0002	
Holybdenum	•••	•••	
Nickel	0500	.0070	
Selenium	0050	0020	
Silver	0100	.0030	
Strontium	1.2000	3,0000	
Thailium	5000	•••	
Zfnc	.0300	.0290	
Laboratory	BC	Radian	



<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE B-35

CONSTITUENTS (milligrams per liter)	05/08/86	05/09/85	SAMPLED	
Antimony	-1.0000	•••		
Arsenic	0100	· .0020		
Barium	5000	•••		
Beryllium	0100	•••		
Cadinium	0050	·.0020		
Chromium (total)	0100	.0090		
Chromium (hexavelent)	•••	***		
Chromium (trivalent)	•••	•••		
Copper	0100	.0080		
Cyanide	•••	•••		
Iron	.1000	0080		
Lead	0100	0020		
Manganese	.0200	0010		
Mercury	0002	.0003		
Molybdenum	•••	•••		
Nickel	0500	.0090		
Selenium	0050	0020		
Silver	·.0100	.0090		
Strontium	.4000	.5200		
Thallium	5000	•••		
Zinc	.0300	.0150		
Laboratory	ВС	Redian		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed  $\dot{}$ 

CONSTITUENTS (milligrams per liter)	05/08/86	SAMPLED	•••••••••••••••••••••••••••••••••••••••
Antimony	-1.0000		
Arsenic	0100		
Barium	5000		
Beryllium	0100		
Cadini um	0050		
Chromium (total)	0100		
Chromium (hexavalent)	•••		
Chromium (trivalent)	•••		
Copper	0100		
Cyanide	•••		
1ron	•.0100		
Lead	0180		
Manganese	.8600		
Mercury	.0003		
Molybdenum			
Nickel	0500		
Selenium.	0050		
Silver	0100		
Strontium	5,4000		
Thallium	5000		
Zinc	.0500		
Laboratory	8C		



<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Mot analyzed

# RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 1

CONSTITUENTS (milligrams per liter)	05/08/86	05/09/85	DATE	SAMPLED	••••••
Antimony	-1.0000	•••			
Arsenic	0100	0020			
Barium	5000	•••			
Beryllium	0100	•••			
Cadmium	0050	0020			
Chromium (total)	0100	0050			
Chromium (hexavalent)	•••	•••			
Chromium (trivalent)	•••	•••			
Copper	0100	.0030			
Cyanide	•••	•••			
Iron	. 1400	0080			
Lead	0100	0020			
Manganese	.0300	.0200			
Mercury	0002	0002			
Molybdenum	•••	•••			
Nickel	0500	.0120			
Selenium	·.0050	0020			
Silver	0100	.0040			
Strontium	2.4000	4.2000			
Thallium	5000	***			
Zinc	.0500	.0090			
Laboratory	BC	Rødian			,

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 2

CONSTITUENTS (milligrams per liter)	05/08/86	DATE 05/09/85	SAMPLED
Antimony	-1.0000	•••	
Arsenic	0100	0020	
Barium	5000	•••	
Beryllium	0100	•••	
Cadinium	0050	.0040	
Chromium (total)	0100	.0190	
Chromium (hexavalent)	•••	•••	
Chromium (trivalent)	•••	•••	
Copper	0100	.0180	
Cyanide	•••	•••	
Iron	.1700	.0100	
Lead	0100	0020	
Manganese	.0300	-0150	
Mercury	0002	0002	
Mol ybdenum	•••	•••	
Nickel	0500	.0150	
Selenium	0050	0020	
Silver	0100	.0250	
Strontium	2,2000	4.0000	
Thellium	•.5000	•••	
Zinc	.0200	.0160	
Laboratory	BC	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



## RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 12

CONSTITUENTS (milligrams per liter)	05/08/86	DATE 05/09/85	SAMPLED
Antimony	-1.0000	•••	
Arsenic	0100	0020	
Barium	5000	•••	
Beryllium	0100	•••	
Cadini um	0050	0020	
Chromium (total)	0100	0050	
Chromium (hexavalent)	•••	•••	
Chromium (trivalent)	•••	•••	
Copper	0100	.0070	
Cyanide	•••	•••	
Iron	.6600	00 <b>8</b> C	
Lead	0100	0070	
Manganese	.0200	.0070	
Mercury	0002	0002	
Molybdenum	•••	•••	
Nickel	0500	.0090	
Selenium	0050	0020	
Silver	0100	.080	
Strontium	1.6000	2.9000	
Thattium	5000	•••	
Zinc	.0200	.0070	
Laboratory	8C	Radian	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

CONSTITUENTS (milligrams per liter)	06/28/85	DATE	SAMPLED	
Antimony	•••			,
Arsenic	0020			
Barium				
Beryllium	•••			
Cadmium	0020			
Chromium (total)	•.0050			
Chromium (hexavalent)				
Chromium (trivalent)	•••			
Copper	0010			
Cyanide	•••			
Iron	.0180			
Lead	.0050			
Manganese	.0590			
Mercury	0002			
Molybdenum	•••			
Nickel	•••			
Selenium	0020			
Silver	0020			
Strontium	.6600			
Thallium	•••			
Zinc	.0360			
Laboratory	Radian			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

## RESULTS OF ANALYSES FOR TRACE METAL CONSTITUENTS AND CYANIDE IN WATER SAMPLES COLLECTED FROM CREEK STATION C-5

CONSTITUENTS (milligrame per liter)	08/26/85 DATE SAMPLED
AntimonyArsenicBariumBeryllium	.0030
Chromium (total)	0050   .0160
IronLeadManganeseMercuryMolybdenum	.1200 0020  0002
NickelSeleniumSilverStrontium	
Zinc	•••
Laboratory	Radian

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



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CONSTITUENTS (milligrams per liter)	08/26/85	06/26/85	DATE SAMPLED	
Antimony	•••	•••		
Arsenic	0020	0020		
Barium	•••	•••		
Beryllium	•••			
Cadmium	0020	•.0020		
Chromium (total)	.0790	.0540		
Chromium (hexavelent)	•••	•••		
Chromium (trivalent)	•••	•••		
Copper	.0090	.0020		
Cyanide	•••	•••		
Iron	0080	.0580		
Lead	0020	0020		
Manganese	•••	.0020		
Mercury	-,0002	.0010		
Molybdenum	•••	•••		
Nickel	•••	•••		
Selenium	0020	0020		
Silver	***	0020		
Strontium	.6100	.6400		
Thallium	•••	•••		
Zinc	•••	.0340		
Laboratory	Radian	Radian		

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not enslyzed

#### APPENDIX C



### APPENDIX C

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TABLE C-1

COMPOUND			DATE	SAMPLED	***************************************
(micrograms per liter)	04/05/86	10/08/85			
Acrolein	ND	ND			
Acrylonitrile	ND	ND			
Benzene	ND	ND			
Bromodichloromethane	ND	ND			
Bromoform	ND	ND			
Bromomethane	ND	ND			
A					
Carbon Tetrachloride	ND	ND			
Chlorobenzene	ND	ND			
Chloroethane	ND	ND			
2-Chloroethylvinyl ether	ND	ND			
Chloroform	ND	ND			
Chloromethane	ND	ND			
Dibromochloromethane	ND	ND			
1,1-Dichloroethane	ND	ND			
1,2-Dichloroethane	ND	ND Cin			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylene	MD	ND			
1,2-Dichloropropane	ND	ND			
iya bibitoropi opane	NU	MD			
1,3-Dichloropropylene	ND	ND			
Ethylbenzene	ND	ND			
Methylene Chloride	ND	ND			
1,1,2,2-Tetrachioroethane	ND	ND			
Tetrachloroethylene	ND	MD			
1,1,1-Trichloroethane	ND	ND			
1,1,2-Trichloroethane	NED	ND			
Trichloroethylene	ND ND				
Toluene		ND			
Vinyl Chloride	ND				
THE CHLOFICE	ND	ND			
EPA Hethod Number	624	624			
Laboratory	Brown &	Brown &			
	Caldwell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

TABLE C-2

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/04/86	06/30/85			
Acrolein	ND	ND			
Acrylonitrile	ND	ND			
Benzene	ND	ND			
Bromodichloromethane	ND	ND			
Bromoform	ND	NO			
Bromomethane	ND	ND			
Carbon Tetrachloride	ND	ND			
Chlorobenzene	ND	ND			
Chioroethane	ND	ND			
2-Chloroethylvinyl ether	ND	ND			
Chloroform	ND	ND			
Chloromethane	ND	ND			
	ND.	""			
Dibromochloromethane	ND	ND			
1,1-Dichloroethane	ND	ND			
1,2-Dichloroethane	ND	ND			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylene	ND	ND			
1,2-Dichloropropene	ND	ND			
1,3-Dichloropropylene	ND	ND			
Ethylbenzene	ND	ND			
Methylene Chloride	ND	ND			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachloroethylene	ND	NO			
1,1,1-TrichLoroethane	ND	ND			
1,1,2-Trichloroethane	ND	ND.			
Trichloroethylene	ND ND	ND ND			
Tolumn					
TolueneVinyl Chloride	ND ND	ND			
VIIITE GILDFIGG.	NU	ND			
EPA Method Number	624	624			
Laboratory	Brown &	Brown &			
	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-3 RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-7

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/05/86	03/12/86	02/13/86	01/11/86	12/11/85
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	28	24	36	17	35	40
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	~~2	3	2	7	NU 5
Chloroethane	ī	MD	ND	ND	ND D	סא
2-Chloroethylvinyl ether	NO D	ND	ND D	ND	ND ND	ND ND
Chloroform	ND	ND	ND	NO	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND ND
Circui Cing Crigate	NU	NO.	NU	ND	NU	NU
Dibromochloromethene	ND	NO	ND	ND	ND	ND
1,1-Dichloroethane	ND	4	5	3	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	9	11	13	8	87	15
1,2-Dichloropropene	ND	ND	ND	ND	ND	NO
1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	270	35	440	220	540	400
Methylene Chloride	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	MD	ND	ND	ND	ND	ND
Tetrachioroethylene	NO	NO	ND	ND	ND	ND
1,1,1-Trichloroethane	NO	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	MD	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	55	ND ND
Toluene	28	23	45	39	88	120
Vinyl Chloride	260	17	88	59	120	מא
VINY CHIOTICS	200	17	00	<b>77</b>	120	NU
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
	Calchell	Calchell	Caldwell	Calduell	Caldwell	Caldwell

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-3 (CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-7

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	11/07/85	10/10/85	08/25/85	06/30/85	05/08/85	
Acrolein	ND	ND	ND	ND	NO .	
Acrylonitrile	ND	ND	ND	ND	ND	
Benzene	50	ND	ND	MD	ND	
Bromodichloromethane	ND	ND	ND	MD	ND	
Bromoform	ND	ND	ND	MD	ND	
Bromomethane	ND	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	MD	
Chlorobenzene	ND	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	ND	
1,2-Dichloropropane	ND	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	ND	
Ethylbenzene	570	600	50	700	450	
Methylene Chloride	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	
Trichloroethylene	ND	ND	ND	350	ND	
Toluene	400	650	900	2200	1500	
Vinyl Chloride	140	ND	ND	100	ND	
EPA Method Number	624	624	624	624	624	
Laboratory	Brown &					

<sup>( ) =</sup> Less then; numerical value is the Limit of Detection for that compound (  $\cdots$  ) = Not analyzed

TABLE C-4

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-8

COMPOUND			DATE	SAMPLED	*******************
(micrograms per liter)	04/05/86	10/08/85			
Acrolein	140	MD			
Acrylonitrile	NO	MO			
Senzene	ND	NO			
Browdichloromethane	NO	MD			
Brownform	NO	MD			
Brownethane	MD	MD			
Carbon Tetrachloride	MD	МО			
Chiorobenzene	10	MO			
Chloroethene	MD	WO			
2-Chioroethylvinyl ether	ND	NO.			
Chioroform	MO	ND			
Chloromethane	Ю	ND			
Oibromochloromethane	WD	MO			
1,1-Dichloroethene	140	100			
1,2-Dichloroethane	NO	w			
1.1-Dichloroethylene	NO	140			
Trans-1,2-Dichloroethylene	NO.	100			
1,2-Dichloropropene	WO	NO NO			
1,3-Dichloropropylene	NO	NO			
Ethylbenzene	NO	WD			
Methylene Chloride	NO	NC			
1,1,2,2-Tetrachloroethane	ND	MD			
Tetrachloroethylene	WO	MD			
1,1,1-Trichloroethame	NO	WD			
1,1,2-Trichloroethane	MD	NO			
Trichloroethylene	MD	NO			
Toluene	ND	1			
Vinyl Chloride	WD	NO			
EPA Method Number	624	624			
Laboratory	Brown &	Brown &			
	Calchell	Calchell			

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-5

COMPOUND (micrograms per liter)	04/08/86	06/30/85	DATE	SAMPLED	***************************************
Acrolein	ND	NO			
Acrylonitrile	ND	HD			
Benzone	IID	MD			
Bressedich Loremothene	NO	ND			
Branefern	MD	NO			
Brassmethare	ND	MD			
Carbon Tetrachloride	NO	MD			
Chierobenzene	NO	ND			
Chloroethene	ND	ND			
2-Chloroethylvinyl ether	ND	NO			
Chloroform	MD	ND			
Chioremethane	ND	NO			
Dibromochloromethene	NO	NO			
1,1-Dichleroethene	MD	ND			
1,2-Dichloroethane	MO	ND			
1,1-Dichloroethylene	NO	ND			
Trans-1,2-0ichloroethylene	NO	ND			
1,2-Dichloropropene	MD	NO			
1,3-0ichloropropylene	MO	NO			
Ethylbenzene	NO	ND			
Methylene Chloride	MD	NO			
1,1,2,2-Tetrachloroethane	NO.	NO			
Tetrachloroethylene	ND	NO			
1,1,1-Trichloroethane	NO	NO			
1,1,2-Trichloroethane	NO	NÖ			
Trichloroethylene	NO	ND			
Toluene	NO	ND			
Vinyl Chloride	MO	ND			
EPA Nethod Number	624	624			
Laboratory	Brown &	Brown &			
	Caldwell	Calchiell			

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-6

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-10

COMPOUND .			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/03/86	03/12/86	02/13/86	01/11/86	12/11/85
(micrograms per citor)	05/01/02	- 1,,				
Acrolein	ND	NO	ND	NO	ND	ND
Acrylonitrile	MD	ND	ND	ND	ND	ND
Benzene	MD	ND	ND	ND	ND	ND
Bromodich Loromethane	MD	ND	ND	ND	ND	ND
Brompform	ND	ND	NO	ND	ND	ND
Bromomethane	ND	ND	ND	ND	MD	NO
Bi Culcula sile in the control of th						
Carbon Tetrachloride	ND	ND	ND	ND	MD	ND
Chiorobenzene	2	ND	ND	ND	ND	ND
Chioroethane	MD	ND	ND	ND	ND	ND.
2-Chioroethylvinyl ether	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
Chioromethane	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1.1-Dichloroethane	ND	ND	ND	ND	ND	ND
1.2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	21	34	28	33	24	18
1,2-Dichloropropene	ND	ND	ND	ND	ND	ND
1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	MD	ND	ND
Tetrachloroethylene	17	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	NO	ND	ND
1,1,2-Trichloroethane	MD	ND	ND	ND	ND	ND
Trichloroethylene	ND	21	17	21	23	30
Toluene	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
	424	624	624	624	624	624
EPA Method Number	624	Brown &				
Laboratory	Brown & Caldwell	Caldwell	Caldwell	Caldwell	Caldwell	Caldwell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-6 (CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM HM-10

COMPOUND .			DATE	SAMPLED		_
(micrograms per liter)	11/07/85	10/09/85	08/25/85	06/30/85	05/08/85	•
(micrograms per citer)	11/0//03	10,07,03	00, 23,03	30, 30, 03	03,02,03	
Acrolein	ND	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	ND	
Benzene	ND	ND	NO	MD	ND	
Bromodichloromethane	ND	ND	ND	ND	NO	
Bramoform	ND	ND	NO	ND	ND	
Bromomethane	ND	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	MD	ND	
Chlorobenzene	ND	ND	MO	ND:	ND	
Chloroethane	ND	MD	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	NO	ND	
Chloroform	ND	ND	ND	ND	MD	
Chloromethane	ND	ND	NO NO	MD	ND	
CHIOFCHE CHARGE	NU	NV.	MC .			
Dibromochloromethane	NO	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	ND	
1,2-Dichloroethane	NO	ND	ND	ND	ND	
1,1-Dichloroethylene	NO	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	11	MD	10	16	26	
1,2-Dichloropropene	ND	ND	ND	ND	ND	
• •						
				•••		
1,3-Dichloropropylene	ND	ND	ND	NO	ND	
Ethylbenzene	ND	ND	ND	ND	ND	
Methylene Chloride	ND	ND	мD	ND	ND	
1,1,2,2-Tetrachioroethane	ND	ND	ND	NO	ND	
Tetrachloroethylene	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	NO	ND	ND	ND	ND	
Trichloroethylene	29	45	40	40	100	
Toluene	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	ND	
,						
					494	
EPA Method Number	624	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	
	Calchell	Caldwell	Calchell	Caldwell	Calchiell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### TABLE C-7

COMPOUND (micrograms per liter)	10/09/85	DATE	SAMPLED	•••••••••••••••••••••••••••••••••••••••
Acrolein	NO			
Acrylonitrile	ND			
Benzene	ND			
Bromodichloromethane	ND			
Bromoform	ND			
Bromomethane	ND			
Carbon Tetrachloride	NO			
Chlorobenzene	NO			
Chloroethane	NO			
2-Chloroethylvinyl ether	MD			
Chloroform				
Chloromethane	NO			
Dibromochloromethene				
1,1-Dichloroethane	ND			
1,2-Dichloroethane	ND			
1,1-Dichloroethylene				
Trans-1,2-Dichloroethylene				
1,2-Dichloropropene	ND			
1,3-Dichloropropylene	ND			
Ethylbenzene	ND			
Methylene Chloride	ND			
1,1,2,2-Tetrachloroethane	ND			
Tetrachloroethylene				
1,1,1-Trichloroethane				
1,1,2-Trichloroethane	ND			
Trichloroethylene				
Toluene				
Vinyl Chloride				
EPA Method Number	624			
Laboratory				
	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-8

COMPOUND (micrograms per liter)	04/04/86	04/03/86	DATE	SAMPLED	
	.,,,,,	,,			
Acrolein		ND			
Acrylonitrile		MD			
Benzene		MD			
Bromodichloromethane		MD			
Bromoform	. ND	2			
Bromomethane	. 10	MD			
Carbon Tetrachloride					
Chlorobenzene	- MD - MD	MD MD			
Chloroethane	. 10	MD			
2-Chloroethylvinyl ether	- MD	ND ND			
Chloroform.		MD MD			
Chloromethane	. NO	MD			
CITCOT CHIEF CITCOTO CONTROL C	. NU	***			
Dibromochloromethane	. MD	MD			
1,1-Dichloroethene		NO			
1,2-Dichloroethane	. ND	ND			
1,1-Dichloroethylene	. ND	MD			
Trans-1,2-Dichloroethylene	. NO	8			
1,2-Dichloropropene	. ND	MD			
• •					
1,3-Dichloropropylene		MD			
Ethylbenzene	. 10	NO			
Methylene Chloride	. 110	ND			
1,1,2,2-Tetrachloroethane		NO			
Tetrachloroethylene		NO			
1,1,1-Trichloroethane	. 110	ND			
1,1,2-Trichloroethane					
Trichloroethylene	. NO	ND 28			
Toluene					
Vinyl Chloride	. HD	NO NO			
virge Gitoriog	. w	NO			
EPA Method Number	624	624			
Laboratory		Brown &			
,	Calchell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-9

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-16

COMPOUND			DATE	SAMPLED	***************************************
(micrograms per liter)	04/05/86	01/11/86	10/08/85		
Acrolein	ND	ND	ND		
Acrylanitrile	ND	ND	NO		
Benzene	MD	MD	ND		
Bramedich Loramethane	MD	MD	ND		
Brameform	HD.	ND	MD.		
Bromomethene	ND	ND	MD		
Carbon Tetrachioride	100	MD	ND		
Chlorobenzene	MD	10	MD		
Chi oroethane	ND	MO	ND		
2-Chloroethylvinyl ether	ND	NO	NO		
Chiloroform	MD	ND	MD		
Chloromethane	MD	MD	NO		
Dibramachloramethere	MD	MÔ	MD		
1,1-Dichloroethene	NO NO	<b>100</b>	MD		
1,2-Dichloroethane	100	<b>10</b>	28		
1,1-Dichloroethylene	NO	100	ND		
Trans-1,2-Dichloroethylene	ND	NO	ND		
1,2-Dichloropropene	MD	ND	NO		
1,3-Dichloropropylene					
Ethylbenzene	ND ND	NO NO	MD		
Methylene Chloride	ND	NO NO	NO NO		
1,1,2,2-Tetrachloroethane	NO NO	NO NO	NO NO		
Tetrachloroethylene	¥0	MO	MD		
1,1,1-Trichloroethane	NO	NO	NO		
1,1,2-Trichtoroethene	ND	NO	ND		
Trichloroethylene	4400	4900	4500		
Toluene	ND	HO	10		
Vinyl Chloride	ND	MD	ND		
EPA Hethod Number	624	624	624		
Laboratory	Brown &	Brown &	Brown &		
	Caldwell	Caldwell	Calchiell		

<sup>(-) =</sup> Less then; numerical value is the Limit of D rection for that compound (---) = Not analyzed



TABLE C-10

COMPOLNO			DATE	SAMPLED
(micrograms per liter)	04/04/86	01/10/86	10/13/85	
Acrolein	NO	ND	ND	
Acrylonitrile	ND	ND	NO	
Benzene	ND	ND	ND	
Bromodichloromethene	NO	MD	100	
Bromoform	MD	NO NO	ND	
or Continue Linea 18	NO	•••	ND	
Carbon Tetrachloride	ND	ND	ND	
Chlorobenzene	MD	ND	NO	
Chloroethane	MD	MD	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	NO	NO	MD	
Dibromochloromethene	ND	MO	MD	
1,1-Dichloroethane	MD	ND	ND	
1,2-Dichloroethane	ND	ND	MD	
1,1-Dichloroethylene	ND	NO	ND	
Trans-1,2-Dichloroethylene	50	30	ND	
1,2-Dichloropropene	ND	ND	ND	
1,3-Dichloropropylene	MD	ND	ND	
Ethylbenzene	ND ND	MD	ND ND	
Methylene Chloride	NO	ND	40	
1,1,2,2-Tetrachloroethane	ND	MD	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	
1.1.2.Taleblasseshans	Mrs		***	
1,1,2-Trichloroethane	ND 26000	ND 10000	<b>NO</b> 6400	
Toluene				
Vinyl Chloride	ND ND	ND ND	ND ND	
**************************************	NU	NEU .	NU	
EPA Nethod Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Calduell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-11

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-18

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/05/86	01/11/86	10/09/85	06/30/85	*******************
Acrolein	MD	ND	MD	MD	
Acrylonitrile	ND	ND	MD	ND	
Benzene	MD	ND	MD	ND	
Bromodich Loromethane	ND	ND	ND	NO	
Bromoform	ND	ND	MD	ND	
Bromomethane	MD	ND	ND	ND	
Carbon Tetrachloride					
Chlorobenzene	ND	NO	ND	NO	
Chienesthan	ND	NO	NO	NO	
Chloroethane	ND	NO	ND	ND	
2-Chloroethylvinyl ether	ND	NO	ND	ND	
Chloroform	ND	NO	ND	ND	
Chloromethane	MD	MD	ND	MD	
Dibromochioromethane	MD	MD	ND	ND	
1,1-Dichloroethane	MD	ND	NO.	ND	
1,2-Dichloroethane	MD	ND	ND	NO	
1,1-Dichloroethylene	MD	MD	MO	MD	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND ND	ND	
	***		NO.	NO.	
1,3-Dichloropropylene	ND	MD	ND	ND	
Ethylbenzene	ND	NO	ND	ND	
Methylene Chioride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	NO	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1 1 2-Teleblassethese			•••		
1,1,2-Trichloroethane	ND	ND	ND	ND	
Tricitoroethytene	ND	ND	ND_	ND	
Toluene	ND	ND	_ 3	ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Calchiell	Caldwell	

<sup>(</sup>  $^{\circ}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $^{\circ}$  -) = Not enalyzed



TABLE C-12

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-19

COMPOUND			DATE	SAMPLED	• • • • • • • • • • • • • • • • • • • •	
(micrograms per liter)	05/07/86	04/06/86	03/12/86	01/11/86	12/11/85	11/07/85
Acrolein	ND	ND	ND	ND	ND	ND
Acrylonitrile	ND	ND	ND	NO	ND	MD
Benzene	NED	ND	ND	ND	ND	ND
Bromodichloromethane	ND	NO	ND	NO	ND	MD
Bromoform	NO	NO	ND	ND	ND	ND
Bromomethane	MD	ND	NO	NO	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	NO	ND
Chlorobenzene	NO	NO	ND	ND	MD	ND
Chloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	NO	ND	ND	ND	ND	ND
Chloroform	MD	NO	ND	ND	ND	ND
Chloromethane	NO	NO	ND	NO	ND	ND
Dibromochloromethane	ND	MD	MD	NO	ND	ND
1,1-Dichloroethane	NED	MD	MD	ND	ND	ND
1,2-Dichloroethane	NO	ND	ND	ND	ND	ND
1,1-Dichloroethylene	NO	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	NO	12	12	22	27	26
1,2-Dichloropropene	ND	ND	MD	ND	ND	ND
1,3-Dichloropropylene	МО	ND	ND	ND	ND	ND
Ethylbenzene	NO	NO	ND	ND	ND	MĐ
Methylene Chloride	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	6	8	10	10	11
Toluene	ND	ND	4	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	arown &	Brown &	Brown &
	Calchell	Caldwell	Caldwell	Calchell	Caldwell	Caldwell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-12 (CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM HM-19

COMPOUND (micrograms per liter)	10/10/85	08/25/85	DATE	SAMPLED	• • • • • • • • • • • • • • • • • • • •
(micrograms per titer)	10/10/65	V0/25/65	06/30/85	05/08/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	MD	
Senzene	ND	ND	ND	NO	
Bromodichloromethane	MD	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Browomethane	ND	NO	ND	ND.	
Carbon Tetrachloride	ND	ND	MD	ND	
Chlorobenzene	4	1	ND	MD	
Chloroethane	NO	ND	MD	NO	
2-Chloroethylvinyl ether	NO	ND	ND	ND	
Chloroform	MD	MD	ND	ND	
Chloromethane	MD	MD	ND CM	ND	
	•	•			
Dibromochloromethene	ND	ND	ND	MD	
1,1-Dichloroethane	ND .	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	45	26	30	36	
1,2-Dichloropropene	ND	ND	ND	ND	
		•••			
1,3-Dichloropropylene	MD	ND	ND	ND	
Ethylbenzene	ND	ND	ND	MD	
Methylene Chloride	MD	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-TrichLoroethane	MD	NO	ND	ND	
	~~		NU	~	
1,1,2-TrichLoroethane	MD	ND	ND	ND	
Trichloroethylene	14	12	13		
Toluene	ND	2	MD	ND.	
Vinyl Chloride	MD	ND	ND	ND	
	NO	NO.	NO	NO	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Calduell	Calchiell	Calchell	
				,	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-13

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-20

COMPOLIND		<b></b>	DATE	SAMPLED				
(micrograms per liter)	05/07/86	04/02/86	03/12/86	02/12/86	01/08/86	12/12/85		
Acrolein	NO	ND	NO	MD	110	ND		
Acrylonitrile	NO	NO	ND	MD	MD	MD		
Benzene	ND	КĎ	ND	MD	ND	MD		
Bromodich Loromethane	ND	ND	ND	MD	MD	MD		
Bromoform	ND	ND	ND	ND	ND	ND		
Bromomethane	ND	ND	MD	ND	HD.	MD		
Carbon Tetrachloride	ND	ND	MO	MO	ND	MD		
Chiorobenzene	MD	ND	ND	MD	ND	NO.		
Chioroethene	NO	MO	ND	ND	MD	NO		
2-Chloroethylvinyl ether	ND	MD	ND	ND	ND	MD		
Chloroform	MD	MD	MD	ND	ND	NO		
Chloromethane	NO	NO	MD	ND	ND	ND		
Cibromochloromethane	MD	NO	MD	MD	ND	MO		
1,1-Dichloroethane	MO	ND	NO NO	100	NO.	MO		
1,2-Dichloroethane	ND	NO	NO NO	100	NO NO	100		
1,1-Dichloroethylene	41	70	30	50	20	27		
Trans-1,2-Dichloroethylene	2	NO	NO	MD	MD	MD.		
1,2-Dichloropropene	ND	ND	MD	MD	ND	ND		
1,3-Dichloropropylene	MD	WD	MO	NO	MD			
Ethylbenzene	ND	100	NO NO	ND ND	NO NO	ND ND		
Methylene Chloride	ND	NO NO	NO NO	160	NO.	NO NO		
1,1,2,2-Tetrachloroethane	NO	MD	<b>100</b>	NID	NO NO	ND		
Tetrachioroethylene	MD	NO	140	NO NO	MO	ND		
1,1,1-Trichloroethane	150	350	180	220	150	170		
1,1,2-Trichloroethane	MD	wh			No.	***		
Trichloroethylene	790	ND 940	ND 620	ND 1200	ND 1300	ND 2000		
Toluene	NO NO	NED Section	OZU ND	1200 ND	1300 ND			
Vinyl Chloride	NO	ND	ND	ND	ND	ND ND		
EPA Hethod Number	624	624	624	624	624	624		
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &		
	Calchell	Caldwell	Caldwell	Calchell	Caldwell	Calchell		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

}

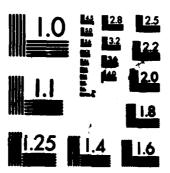
TABLE C-13 (CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM HM-20

COMPOUND . (microgramm per liter)	11/06/85	10/08/85	DATE 08/26/85	06/27/85	05/09/85	••••••
Acrolein	NO	ND	ND	ND	ND	
Acrylonitrile	WO	NO	ND	ND	ND	
Benzene	NO	ND	ND	ND	ND	
Bromodichloromethene	NO	NO	NO	ND	ND	
Bromoform	NO	HO	ND	DN	ND	
Bromomethane	ND	MD	ND	MD	ND	
Carbon Tetrachloride	MD	ND	NO	ND	ND	
Chlorobenzene	NO	NO	ND	ND	ND	
Chlorosthane	ND	NO	NO	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	ДИ	
Chloroform	NO	ND	ND	ND	ND	
Chloromethane	NO	ND	ND	NO	ND	
Dibromochloromethene	OM	ı	ND	NO.	ND	
1,1-Dichloroethane	ND	, HO	ND	ND	סא	
1,2-Dichloroethane	ND	ND	ND	ND	ON ON	
1,1-Dichloroethylene	MD	ND	NĎ	ND	ND	
Trans-1,2-Dichloroethylene	10	<b>~</b> 0	5	ND	מא מא	
1,2-Dichloropropane	an	ND	ND D	ND	ON CN	
1,E'0 lock of opens,	NU	NO	RD	NU	UN	
1,3-Dichloropropylene	NO	ND	ND	NO	NO	
Ethylbenzene	NO	ND	ND	ND	NO	
Methylene Chloride	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ON	NO	
Tetrachloroethylene	NO.	ND	ИĎ	ND	ND	
1,1,1-Trichloroethane	50	12	25	30	ND	
1,1,2-Trichloroethane	ND	ИД	ND	ND	ND	
Trichlaraethylene	2300	2100	3400	1200	520	
Toluene	ND	ND	DN	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	

<sup>(-)</sup> \* Less than; numerical value is the Limit of Detection for that compound (---) \* Not analyzed

**.** 

AD-A189 246	HATER	QUALITY IEXAS(U	DATA: HARGI	US AIR E S AND AS	ORCE PLAN	I NUMBER 4	FORT LA CA	2/4	1
UNCLASSIFIED	13 mm					F/G	24/4	NL	
‡+									



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

TABLE C-14

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-21

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/09/86	12/11/85
Acrolein	ND	ND	ND	NO	MD	ND
Acrylonitrile	NO	MD	ND	NO	ND	NO
Benzene	NO	MO	ND	ND	MD	ND
Bromodichloromethane	ND	ND	ND	ND	ND	MD
Bromoform	MD	ND	ND	NÐ	ND	ND
Bromomethane	Ю	MD	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	MD	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
Chloroethane	ND	MD	ND	ND	MD	ND
2-Chloroethylvinyl ether	ND	NĎ	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
Chloromethane	MO	ND	ND	ND	ND	ND
Dibromochloromethane	MD	MD	MD	ND	ND	MD
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NO	ND	MD	ND	ND	ND
1,1-Dichloroethylene	NO	MD	ND	ND	ND	ND
Trans-1.2-Dichloroethylene	5000	4100	3750	5100	7500	23000
1,2-Dichloropropane	ND	NO	MD	ND	MD	ND
1,3-Dichloropropylene	ND	ND	MD	ND	MD	MD
Ethylbenzene	ND	ND	ND	MD	MD	ND
Methylene Chloride	ND	ND	NO	MD	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	MD	ND	MD	MD
Tetrachloroethylene	ND	ND	MD	MD	ND	ND
1,1,1-Trichloroethane	NO	MD	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	MD	ND	ND
Trichloroethyiene	ND	MD	MD	ND ND	ND	MD
Toluene	ND	ND	MD	NO	ND	MD
Vinyl Chloride	ND	ND	ND	ND	ND	2600
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown &					
	Calchell	Calchell	Calchell	Caldwell	Calchell	Caldwell

<sup>(-) =</sup> Lees than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-14 (CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM HM-21

COMPOUND				DATE	SAMPLED		
	(micrograms per liter)	11/06/85	10/09/85	08/26/85	06/30/85	05/08/85	
	Acrolein	, ND	ND	ND	MD	ND	
	Acrylonitrile	. ND	ND	ND	ND	ND	
	Benzene		ND	NO	20	ND	
	Bromodichloromethane	, ND	ND	ND	MD	HD	
	Bromoform		ND	ND	ND	ND	
	Bromomethane	, ND	NO	ND	ND	ND	
	Carbon Tetrachloride	. ND	МО	ND	MD	MO	
	Chiorobenzene		<b>MO</b>	MO	12	NO.	
	Chloroethane		MO	ND	HD.	NO NO	
	2-Chloroethylvinyl ether	ND ND	WD	MD	NO	ND	
	Chloroform		ND	MO	NO	ND	
	Chloromethane		NO	ND	NO	ND	
	Dibrosochlorosethere	. MD	NO	ND	ND	ND	
	1,1-Dichloroethane		MD	NO.	- COM	ND	
	1,2-Dichloroethane		ND	MO	ND ND	4100	
	1,1-Dichloroethylene		MD	MD CM	MD	40	
	Trans-1,2-Dichloroethylene		10000	18000	15000	18000	
	1.2-Dichloropropene			NO	15000	30	
,	1,2-D1CHLOFOPTOPERE		ND		MU.	30	
	1,3-Dichloropropylene		ND	ND	ND	ND	
	Ethylbenzene		ND	MD	ND	30	
	Methylene Chloride		ND	NO	ND	ND	
	1,1,2,2-Tetrachloroethane		ND	ND	ND	NO	
	Tetrachloroethylene		ND	ND	MO	ND	
	1,1,1-Trichloroethane	. 10	MD	ND	ND	NO	
	1,1,2-Trichloroethane	. ND	MD	ND	ND	ND	
	Trichloroethylene		ND	ND	40	30	
	Toluene		ND	ND	140	740	
	Vinyl Chloride		ND	700	5600	6100	
	EPA Method Number	624	624	624	624	624	
	Laboratory		Brown &	Brown &	Brown &	Brown &	
		Calchiell	Calcheli	Caldwell	Calchell	Calchiell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Mot analyzed

#### TABLE C-15

COMPOUND .			DATE	SAMPLED	***************************************
(micrograms per liter)	04/05/86	10/12/85			
Acrolein	ND	ND			
Acrylonitrile	ND	NO			
Benzene	ND	ND			
Bromodichloromethane	ND	ND			
Bromoform	MD	ND			
Bromomethane	NO	ND			
Carbon Tetrachloride	MD	ND			
Chlorobenzene	ND	ND			
Chloroethane	MO	ND			
2-Chloroethylvinyl ether	ND	MD			
Chloroform	ND	ND			
Chloromethane	ND	MO			
Dibromochloromethane	MD	ND			
1,1-Dichloroethene	ND	ND ND			
1,2-Dichloroethane	ND	ND			
1,1-Dichloroethylene	ND	ND ND			
Trans-1,2-Dichloroethylene	MD	ND			
1.2-Dichloropropene	ND	ND			
1,2 promot op opens	NO	NO.			
1,3-Dichloropropylene	ND	ND			
Ethylbenzene	ND	ND			
Methylene Chloride	ND	ND			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachloroethylene	ND	ND			
1,1,1-Trichloroethane	ND	ND			
1,1,2-Trichloroethane	ND	ND			
Trichloroethylene	ND	ND			
Toluene	ND	NO			
Vinyl Chloride	ND	ND			
EPA Nethod Number	624	624			
Laboratory	Brown &	Brown &			
	Calchiell	Caldwell			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### TABLE C-16

COMPOUND (micrograms per liter)	04/05/86	SAMPLED
Acrolein	MO	
Acrylonitrile	iio	
Benzene	NO.	
Bromodichloromethane	NO	
Bromoform	ND	
Bromomethane	NO	
Carbon Tetrachloride	NO	
Chilorobenzene	ND	
Chioroethane	NO	
2-Chloroethylvinyl ether	NO	
Chioroform	NO	•
Chloromethane	MD	
Dibramochloramethane	NO	
1,1-Dichloroethane	ND	
1,2-Dichloroethane	ND	
1,1-Dichloroethylene	ND	
Trans-1,2-Dichloroethylene	NC	
1,2-Dichloropropene	MD	
1,3-Dichloropropylene	ND	
Ethylbenzene	ND	
Methylene Chloride	MD	
1,1,2,2-Tetrachloroethane	100	
Tetrachioroethylene	HD	
1,1,1-Trichloroethane	NO	
1,1,2-Trichtoroethene	Ю	
Trichloroethylene	NO	
Toluene	ND	
Vinyl Chloride	NO	
EPA Method Number	624	
Laboratory	Brown &	
	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND (micrograms per liter)	04/05/86	10/08/85	DATE	SAMPLED	***************************************
(microfiam bar (1641)	04/03/05	10702733			
Acrolein	ND	ND			
Acrylonitrile	ND	ND			
Benzene	WD	MD			
Bromodichloromethere	ND	NO			
Bromoform	ND	ND			
Bromomethane	ND	ND			
Carbon Tetrachloride	MD	MD			
Chlorobenzene	NO.	MD			
Chloroethane	WG	MD.			
2-Chioroethylvinyl ether	ND ND	ND ND			
	44	19			
Chloropethane.		• •			
CR COPOMECRANG	ND	NO			
Dibromochloromethane	MD	ND			
1,1-Dichloroethane	MD	ND			
1,2-Dichloroethane	5	ND			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylene	ND	ND			
1,2-Dichloropropene	MO	5			
1,3-Dichloropropylene	ND	ND			
Ethylbenzene	ND	MD			
Methylene Chloride	ND	NO			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachloroethylene	MD	NO			
1,1,1-Trichloroethene	ND	ND			
1,1,2-Trichloroethane	,	ND			
Trichloroethylene	ś	3			
Toluene	ND .	ND			
Vinyl Chloride	MD	, Nio			
Triny Carton Ideas.	, mo	, <b>N</b> J			
EPA Method Number	624	624			
Laboratory	Brown &	Brown &		*	
	Caldwell	Caldwell			
•					

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-18

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/03/86	01/10/86	10/09/85	06/28/85	
Acrolein	NO	MD	NO	NĐ	
Acrylonitrile	NO	ND	ND	NO	
Benzene	200	200	140	200	
Bromodichloromethane	ND	MO	5	ND	
Bromoform	ND	MD	ND	ND	
Bromomethane	ND	NO	NO	ND	
Carbon Tetrachloride	MO	MD	MD	ND	
Chlorobenzene	3300	3900	3300	2400	
Chloroethene	ND	NO	ND	MD	
2-Chloroethylvinyl ether	ND	MD	NO	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	MO	NO	ND	ND	
Dibromochloromethane	ND	MD	ND	MO	
1,1-Dichloroethane	WD	ND ND	ND	NO NO	
1,2-Dichloroethane	NO	10	ND ND	ND	
1,1-Dichloroethylene	NO NO	ND	100 100	NO NO	
Trans-1,2-Dichloroethylene	85	53	35	50	
1,2-Dichloropropene	ND	NO	10	15	
4.7.6664					
1,3-Dichloropropylene	ND	NO	NO	NO	
Ethylbenzene	300	200	190	180	
Methylene Chloride	ND	NO	NO	ND	
1,1,2,2-Tetrachloroethane	HD	ND	MD	ND	
Tetrachloroethylene	NO	NO	NO	ND	
1,1,1-Trichloroethane	MD	NO	ND	NO	
1,1,2-Trichloroethane	NO	MO	100	MG	
Trichloroethylene	NO	NO	ND	NO	
Toluene	55	NO	5	ND	
Vinyl Chloride	5	MD	MD	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
, , , , , , , , , , , , , , , , , , , ,	Calchell	Celchell	Calchell	Calchell	

<sup>(-)</sup>  $\Rightarrow$  Less than; numerical value is the Limit of Detection for that compound (---)  $\Rightarrow$  Not analyzed

TABLE C-19

Acrolein	COMPOUND (micrograms per liter)	04/07/86	01/12/86	DATE 10/09/85	SAMPLED
Sericeme		MD	NO	MD	
Brownoferm.   MO					
Brownethene	Benzene				
Carbon Tetrachloride					
Carbon Tetrachioride		****	***		
Chloroethane	51 Calonic Cital (5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	NO.	140		
Chloroethylinyl ether	Carbon Tetrachloride	MD	NO	MD	
2-chlorosthylvinyl ether	Chlorobenzene	ND	ND	11	
Chloroform.	Chloroethane				
Dibromochloromethane	2-Chloroethylvinyl ether	ND			
Dibromochloromethane	Chlorotorm	MD			
1,1-Dichloroethane	Chioromethane	ND	ND	ND	
1,2-Dichloroethylene	Dibromochloromethane		NO	MD	
1,2-Dichloroethylene	1,1-Dichloroethane	ND	ND	ND	
Trans-1,2-Dichloroethylene       220       140       68         1,2-Dichloropropene       1       MD       ND         1,3-Dichloropropylene       MD       MD       ND         Ethylbenzene       MD       ND       ND         Methylene Chloride       ND       ND       ND         1,1,2,2-Tetrachloroethane       ND       ND       ND         Tetrachloroethylene       2       ND       ND         1,1,1-Trichloroethane       ND       ND       ND         Trichloroethylene       1000       750       580         Toluene       ND       ND       ND         Vinyl Chloride       ND       ND       ND         EPA Method Number       624       624       624         Laboratory       Brown & Bro	1,2-Dichloroethane	NO	NO	HD	
1,2-Dichloropropale				ND	
1,3-Dichloropropylene.       ND       ND       ND         Ethylbenzene.       ND       ND       ND         Methylene Chloride.       ND       ND       ND         1,1,2,2-Tetrachloroethane.       ND       ND       ND         Tetrachloroethylene.       2       ND       ND         1,1,1-Trichloroethane.       ND       ND       ND         1,1,2-Trichloroethane.       ND       ND       ND         Toluene.       ND       ND       ND         Vinyl Chloride.       ND       ND       ND         EPA Method Number       624       624       624         Laboratory.       Brown &		220		68	
ND	1,2-Dichloropropene	1	NO	ND	
ND	1.3-Dichloropropylene	MD.	MĐ	NO.	
Methylene Chloride	Ethylbenzene.				
1,1,2,2-Tetrachloroethane ND	Methylene Chloride	ND	ND	NO	
Tetrachloroethylene	1,1,2,2-Tetrachioroethane	ND	ND	ND	
1,1,1-Trichloroethane ND ND ND  1,1,2-Trichloroethane	Tetrachloroethylene		ND	ND	
Trichloroethylene	1,1,1-Trichloroethane	ND	NO	ND	
Trichloroethylene	1.1.2-Trichloroethene	NO.	MO	MO	
Toluene	Trichloroethylene				
Vinyl Chloride					
Laboratory Brown & Brown & Brown &	Vinyl Chloride			-	
Laboratory Brown & Brown & Brown &	EPA Nethod Number	624	626	474	
• • • • • • • • • • • • • • • • • • • •					
CBICHPII CBICHPII CBICHPII		Calchell	Calcheit	Calchiell	

<sup>(-)</sup>  $\pi$  Less then; numerical value is the Limit of Detection for that compound (---)  $\pi$  Not analyzed



TABLE C-20

COMPOUND			DATE	SAMPLED	 · • • • • • • • •	
(micrograms per liter)	04/07/86	01/12/86	10/09/85			
Acrolein	. ND	ND ,	ND '			
Acrylonitrile	. ND	NO	ND			
Benzene		ND	ND			
Bromodichloromethane		ND	ND			
Bromoform	. NO	ND	ND			
Bromomethane	. MD	ND	ND			
Carbon Tetrachloride	. MD	ND	ND			
Chlorobenzene		ND	16			
Chloroethane		ND	MO			
2-Chloroethylvinyl ether	. 100	ND	MD.			
Chloroform		ND	ND			
Chloromethane		ND	ND			
Dibromochloromethane		ND	ND			
1,1-Dichloroethane		NO	ND			
1,2-Dichloroethane	. ND	ND	ND			
1,1-Dichloroethylene	. ND	ND	ND			
Trans-1,2-Dichloroethylene		75	44			
1,2-Dichloropropene	. ND	ND	ND			
1,3-Dichloropropylene	. NO	ND	ND			
Ethylbenzene		ND	24			
Methylene Chloride		ND	ND			
1,1,2,2-Tetrachioroethane		ND	ND			
Tetrachloroethylene						
		ND ND	ND ND			
1,1,1-Trichloroethane	. RU	NU	NU			
1,1,2-Trichloroethane	. ND	MO	ND			
Trichtoroethylene		150	280			
Toluene		ND	2			
Vinyl Chloride		6	NO			
EPA Nethod Number	. 624	624	624			
Laboratory	:	Brown &	Brown &			
LEMON SLUTY	. Srown & Caldwell	Calchell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE C-21

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-28

COMPOUND (micrograms per liter)	04/04/86	01/10/86	10/09/85	SAMPLED
Acrolein		ND	ND	
Acrylonitrile		ND	ND	
Benzene		ND	ND	
Bromodichloromethane		ND	ND	
Bromoform		ND	MD	
Bromomethane	ND	MD	ND	
Carbon Tetrachloride	. ND	ND	MD	
Chlorobenzene		ND	6	
Chloroethane		ND	ND	
2-Chloroethylvinyl ether		ND	ND	
Chloroform		12	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	MD	ND	ND	
1,1-Dichloroethane		ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene		ND	ND	
Trans-1,2-Dichloroethylene		320	290	
1,2-Dichloropropene		ND	ND	
•				•
1,3-Dichloropropylene		ND	ND	
Ethylbenzene		ND	ND	
Methylene Chloride		ND	ND	
1,1,2,2-Tetrachloroethane		ND	ND	
Tetrachioroethylene		ND	ND	
1,1,1-Trichloroethane	, MD	ND	ND	
1,1,2-Trichloroethane	. ND	210	ND	
Trichloroethylene		450	1800	
Toluene		ND	2	
Vinyl Chloride		ND	ND	
	•	***		
EPA Method Number	. 624	624	624	
Laboratory	. Brown &	Brown &	Brown &	
•	Caldweli	Caldwell	Caldwell	
				-

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-22

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-29

COMPOUND (micrograms per liter)	04/02/86	01/08/86	12/12/85	SAMPLED 10/08/85	••••••
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene	ND	KD	NO	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachioride	ND	ND	ND	מא	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	ND	MD	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chioromethane	ND	ND	ND	ND	
	NO	,,,,	Ny	ND.	
Dibromochloromethane	MD	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	MD	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	25	24	25	20	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	MD	NO	
Ethylbenzene	ND	ND	ND	ND	
Methylene Chloride	ND	MD	ND	ND	
1,1,2,2-Tetrachioroethane	ND	ND	ND	ND	
Tetrachioroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
i, i, i i i i i i i i i i i i i i i i i	NU	NU	NU	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichloroethylene	3000	1900	2100	2200	
Toluene	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Calduell	Caldwell	Caldwell	
	and t	COLUMN !!	CALUMELL	CELUMETT	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-23

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-30

COMPOUND	**********		DATE	SAMPLED	******************
(micrograms per liter)	04/05/86	01/10/86	10/08/85	06/29/85	
Acrolein	ND	ND	NO.	ND	
Acrylonitrile	ND	ND	ND ND	ND ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND D	ND ND	ND	UN D	
DI CHICIRE LIIGIRE	NU	NU	NU	NU	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	MD	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
			•••		
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	MD	NO	ND	KO	
1,1-Dichloroethylene	ND	МÐ	ND .	ND	
Trans-1,2-Dichloroethylene	ND	NO	ND	ND	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethvlbenzene	ND	ND	ND	ND	
Methylene Chloride	ND	ND ON	ND		
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND ND	
Tetrachioroethylene	ND	ND		• • • •	
1,1,1-Trichloroethane	*		ND	ND	
i, i, i i i i i i i i i i i i i i i i i	NO	NO	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichloroethylenc	75	230	300	720	
Toluene	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	
,	110	, resp	NV	1466	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-24

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-31

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/03/86	10/09/85	06/28/85	With the
Acrolein	ND	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	
Chlorobenzene	ND	ND	ДK	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	
Trans-1,2-Dichloroethylene	1200	1000	640	
1,2-Dichloropropane	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachioroethylene	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	2200	2300	2400	
Toluene	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND (micrograms per liter)	04/05/86 DATE	SAMPLED
Acrolein	ND	
Acrylonitrile	ND	
Benzene	ND	
Bromodichloromethane	ND	
Bromoform	ND	
Bromomethane	MD	
Carbon Tetrachloride	NO	
Chlorobenzene	ND	
Chloroethane	ND	
2-Chloroethylvinyl ether	ND	
Chloroform	1	
Chloromethane	ND '	
Cittoi Cinetileire		
Dibromochloromethane	ND	
1,1-Dichloroethane	ND	
1,2-Dichloroethane	ND	
1,1-Dichloroethylene	ND	
Trans-1,2-Dichloroethylene	ND	
1,2-Dichloropropene	ND	
1,3-Dichloropropylene	ND	
Ethylbenzene	ND	
Methylene Chloride	ND	
1,1,2,2-Tetrachloroethane	ND	
Tetrachloroethylene	ND	
1,1,1-Trichloroethane	ND	
1,1,2-Trichloroethane	ND	
Trichloroethylene	MD	
Toluene	ND ND	
Vinyl Chloride.	ND	
EPA Method Number	624	
Laboratory	Brown &	
	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND	*********		DATE	SAMPLED	***************************************
(micrograms per liter)	10/11/85	06/30/85			
Acrolein	NO	NO			
Acrylonitrile	ND	ND			
Benzene		MD			
Bromodichloromethane		ND			
Bromoform		MD			
Bromomethane	110	ND			
Carbon Tetrachloride	ND	ND			
Chlorobenzene		ND			
Chloroethane		ND			
2-Chloroethylvinyl ether		ND			
Chloroform		ND			
Chloromethane	. ND	ND			
Bilanesahi asamathana					
Dibromochloromethane		ND			
1,1-Dichloroethane	110	ND ND			
1,2-Dichloroethane	ND	ND			
1,1-Dichloroethylene	ND	MD			
Trans-1,2-Dichloroethylene 1,2-Dichloropropene	. ND	2 ND			
1,2-vicitoropropene	10	NO.			
1,3-Dichloropropylene	. ND	ND			
Ethylbenzene	. NO	MO			
Methylene Chloride		MD			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachloroethylene	. ND	ND			
1,1,1-Trichloroethane	ND	ND			
1,1,2-Trichloroethene	100	WD			
Trichloroethylene	. NO	ND ND			
Toluene		110			
Vinyl Chloride		MO			
TITY WILL INCOME AND A A A A A A A A A A A A A A A A A A	· · · · · · · · · · · · · · · · · · ·	NU			
EPA Method Number		624			
Laboratory	. Brown &	Brown &			
	Calchiell	Calchell			

<sup>(</sup>  $^{\circ}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $^{\circ}$  -) = Not analyzed

TABLE C-27

ī

COMPOUND (micrograms per liter)	04/07/86	01/09/86	DATE 10/10/85	SAMPLED 06/30/85	•••••
Acrolein	ND	ND	ND	ND	
Acrylonitrile		ND	ND	ND	
Benzene		ND	ND	ND	
Bromodichloromethane		ND	ND	ND	
Bromoform		ND	ND	ND	
Bromomethane	MD	ND	ND	NO	
Carbon Tetrachioride	ND	ND	ND	MD	
Chiorobenzene		ND	ND	ND	
Chloroethane		ND	ND	ND	
2-Chloroethylvinyl ether		ND	ND	ND	
Chloroform		ND	MD	ND	
Chloromethane		ND	ND	ND	
Dibromochloromethane		ND	ND	ND	
1,1-Dichloroethane		ND	ND	ND	
1,2-Dichloroethane		ND	ND	ND	
1,1-Dichloroethylene		ND	ND	MD	
Trans-1,2-Dichloroethylene		100	90	400	
1,2-Dichloropropene	. NO	ND	ND	ND	
1,3-Dichloropropylene	. MD	NO	MD	MO	
Ethylbenzene	ND	10	MD	MD	
Hethylane Chloride		ND	MD	ND	
1 2.2-Tetrachloroethane		ND.	ND	ND ND	
Tetrachloroethylene		MD	MD	HD	
1,1,1-Trichloroethane		ND	NO	MD	
1,1,2-Trichloroethane		MD	NO	ND	
Trichloroethylene		290	340	660	
Toluene		ND	ND	NO	
Vinyl Chloride	. ND	ND	ND	70	
EPA Method Number	624	624	624	624	
Laboratory		Brown &	Brown &	Brown &	
	Calchell	Caldwell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

COMPOUND			DATE	SAMPLED	•••••
(micrograms per liter)	04/07/86	01/12/86	10/10/85	06/30/85	
Acrolein	ND	ND	NO	MD	
Acrylonitrile	NO	ND	ND	ND	
Benzene	ND	MD	NO	NO	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	MD	ND	MD	ND	
Carbon Tetrachloride	ND	ND	MD	MD	
Chlorobenzene	NO	ND	ND	ND	
Chloroethane	NO	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	NO	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	23000	28000	28000	20000	
1,1-Dichloroethylene	ND	ND	ND	MD	
Trans-1,2-Dichloroethylene	110000	130000	120000	87000	
1,2-Dichloropropane	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	145	Lin	
Ethylbenzene	ND	ND	ND 6000	ND 1000	
Methylene Chloride	100000	110000	650000	150000	
1,1,2,2-Tetrachloroethane	MD	MD	MD	MD	
Tetrachloroethylene	ND	14000	7000	2000	
1,1,1-Trichloroethane	ND	ND	ND	ND	
4 4 9 9-2-6-1					
1,1,2-Trichloroethane	ND 340000	ND	ND	ND	
Trichloroethylene	240000	510000	530000	380000	
Vinyl Chloride	83000	330000	390000	150000	
THE GILDFIGE.	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

COMPOUND		• • • • • • • • • • •	DATE	SAMPLED	•••••
(micrograms per liter)	04/07/86	01/12/86	10/10/85	06/30/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	MD	MD	ND	
Benzene	MD	NO	ND	ND	
Bromodichloromethane	ND	MD	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	MD	ND	ND	
Chlorobenzene	NO	ND	MD	MD	
Chloroethane	MD	ND	ND	ND	
2-Chioroethylvinyl ether	ND	MD	ND	ND	
Chloroform	ND	ND	ND	MD	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	MO	MD	ND	
1,1-Dichloroethene	ND	ND	ND	NO	
1,2-Dichloroethane	ND	ND	NO.	NO.	
1,1-Dichloroethylene	ND	ND	NO	ND	
Trans-1,2-Dichloroethylene	11	10	27	41	
1,2-Dichloropropene	NO	ND	ND	NO	
1,3-01chloropropylene	ND	MD	ND	ND	
Ethyl benzene	NO NO	NO NO	ND	MO	
Methylene Chloride	NO	MD	NO.	NO	
1,1,2,2-Tetrachloroethane	NO	MD	ND	MD	
Tetrachloroethylene	NO	ND	ND	MD	
1,1,1-Trichloroethane	NO	ND	NO	ND	
1,1,2-Trichloroethane	MD	MO	MO	MO.	
Trichloroethylene	ND ND	ND ND	ND ND	NO 2	
Totuene	ND ND	ND ND	ND	ND Z	
Vinyl Chloride	ND	ND:	DIN DIN	MD	
· • • • • • • • • • • • • • • • •	NU	NU	W	NEV .	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Cálduell	Caldwell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND (micrograms per liter)	04/05/86	 DATE	SAMPLED	 • • •
Annalain	MD			
Acrolein	NO NO			
Acrylonitrile	NO NO			
Bromodichloromethene				
	NO			
Bromoform	MD			
Bromong there	NO			
Carbon Tetrachloride	WD			
Chlorobenzene	MD			
Chloroethane	NO			
2-Chloroethylvinyl ether	NO			
Chloroform	ND			
Chloromethane	ND			
Dibromochloromethane	ND			
1,1-Dichloroethane	NO			
1,2-Dichloroethane	ND			
1,1-Dichloroethylene	ND			
Trans-1,2-Dichloroethylene	MD			
1,2-Dichloropropane	NO			
1,3-Dichloropropylene	MD			
Ethyibenzene				
Methylene Chloride	100			
1.1.2.2-Tetrachloroethane	NO NO			
Tetrachloroethylene	100			
1,1,1-Trichloroethane	100			
i, i, i i i i i i i i i i i i i i i i i				
1,1,2-Trichioroethene	ND			
Trichloroethylene	160			
Toluene	ND			
Vinyl Chloride	ND			
EPA Hethod Number	624			
Laboratory	Brown &			
	Calcheil			
	CELONELL			

<sup>(-) =</sup> Less them; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-31

COMPOUND			DATE	SAMPLED	••••••	•••••
(micrograms per liter)	04/05/86	10/08/85				
Acrolein	ND	NO				
Acrylonitrile	ND	ND				
Benzene	ND	MO				
Bromodichloromethane	MD	NO				
Bromoform	ND	ND				
Bromomethane	NO	MD -				
Carbon Tetrachloride	NO	MD				
Chlorobenzene	NO	NO				
Chloroethane	MD	NO				
2-Chloroethylvinyl ether	ND	NO				
Chloroform	ND	NO				
Chloromethane	NO	MD				
Dibromochloromethene	ND	NO				
1,1-Dichloroethane	ND	NO				
1,2-Dichloroethane	ND	ND				
1,1-Dichloroethylene	NO	NO				
Trans-1,2-Dichloroethylene	ND	ND				
1,2-Dichloropropens	ND	MD				
4 7 6444						
1,3-Dichloropropylene	ND	ND				
Ethyl benzene	NO NO	NC				
Methylene Chloride	ND	NO				
1,1,2,2-Tetrachloroethane	ND	ND				
Tetrachloroethylene	MC	NO				
1,1,1-Trichloroethene	MD	ND				
1,1,2-Trichloroethene						
Trichloroethylene	MO,	NO_				
		1				
Toluene Vinyl Chloride	ND ND	ND				
vinyt chtorice	<b></b>	WD				
EPA Method Number	624	624				
Laboratory	Brown &	Brown &				
7 · · · · · · · · · · · · · · ·	Caldwell	Calchell				
	Caroneri	Calumett				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

Acrolein	COMPQUID (micrograms per liter)	06/29/85	••••••••••	DATE	SAMPLED	•••••••••••••••••••••••••••••••••••••••
Acrylonitrile	Acrolein	NO				
Berzene	Acrylonitrile					
Bromoform.						
Bromomethene						
Bromomethene						
Chlorosthans	Bronomethane					
Chlorosthans	Cachen Tatanachi ani da	140				
Chloroethylvinyl ether						
2-Chlorosthylvinyl ether	Chi accethorn					
Chloroform	2-Chionochuluinel ochon					
Chloromethane						
Dibromochloromethane	Chienemathene					
1,1-Dichloroethane	Chtoromethere	<b></b>				
1,2-Dichloroethylene		ND				
1,1-Dichloroethylene		ND				
1,1-Dichloroethylene	1,2-Dichloroethane	MD				
1,2-Dichloropropylene	1,1-Dichloroethylene	ND				
1,3-Dichloropropylene	Trans-1,2-Dichloroethylene	NO				
Ethylenzene	1,2-Dichloropropene	ND				
Ethylenzene	1.3-Dichloropropylene	MD				
No 1,1,2,2-Tetrachioroethane						
1,1,2,2-Tetrachioroethane						
Tetrachloroethylene						
1,1,1-Trichloroethane ND  1,1,2-Trichloroethane	Tetrach Loroethylene					
Trichloroethylene	1,1,1-Trichloroethane					
Trichloroethylene	1 1 3 Talahlanashana					
Toluene ND Vinyl Chloride ND  EPA Nethod Number 624 Leboratory Brown &	Trichiocosthulese					
EPA Hethod Number						
EPA Hethod Number 624 Laboratory Brown &	Virgi Chlorida					
Laboratory Brown &	vinye billorios.	***				
		624				
Caldwell	Laboratory	Brown &				
		Calduell				

<sup>(-) =</sup> Leas than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

	COMPOUND (micrograms per liter)	06/29/85	••••••	DATE	SAMPLED	••••••
	crolein	MD				
	crylonitrile	ND				
	enzene	ND				
_	ramodichioramethane	NO				
	romoform	ND				
	romomethane	ND				
c	arbon Tetrachloride	MD				
C	hlorobenzene	ND				
	hloroeth <b>ane</b>	NO				
2	-Chloroethylvinyl ether	ND				
	hloroform	ND				
C	hloromethane	ND				
D	ibromochloromethane	MD				
1	, 1-Dichloroethene	NO				
	,2-Dichloroethane	ND				
	,1-Dichloroethylene	ND				
T	rans-1,2-Dichloroethylene	ND				
1	,2-Dichloropropene	NO				
1	,3-Dichloropropylene	MO				
	thylbenzene	ND				
	ethylene Chloride	ND				
	,1,2,2-Tetrachloroethane	ND				
	etrachloroethylene	ND				
	,1,1-Trichloroethane	MD				
1	,1,2-Trichloroethane	MD				
	richloroethylene	NO				
	oluene	- 3				
V	inyl Chloride	NO				
E	PA Method Number	624				
Ĺ	aboratory	Brown &				
		Calchell				

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND	••••••	 DATE	SAMPLED	
(micrograms per liter)	06/29/85			
Acrolein	ND			
Acrylonitrile	ND			
Benzene	ND			
Bromodichloromethane	ND			
Bromoform	ND			
Bromomethane	MD			
Carbon Tetrachloride	ND			
Chiorobenzene	ND			
Chloroethane	MO			
2-Chloroethylvinyl ether	ND			
Chloroform	ND			
Chloromethane	MD			
Dibromochloromethane	ND			
1,1-Dichloroethane				
1,2-Dichloroethane	ND			
1,1-Dichloroethylene	120			
Trans-1,2-Dichloroethylene	84			
1,2-Dichloropropene	ND.			
The state of the species of the spec				
1,3-Dichloropropylene	ND			
Ethylbenzene	ND			
Methylene Chloride	ND			
1,1,2,2-Tetrachioroethane	ND_			
Tetrachloroethylene	9			
1,1,1-Trichloroethane	22			
1,1,2-Trichloroethane	ND			
Trichloroethylene	350			
Toluene	ND			
Vinyl Chloride	NO			
EPA Method Number	624			
Laboratory	Brown &			
	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUMD (micrograms per liter)	10/08/85	DATE	SAMPLED	•••••
Annalain	140			
Acrolein	16D 16G			•
Benzene	ND MD			
Bromodich Loromethane	NC)			
Bromoform	<b>10</b>			
Bromomethane	WG			
or concentration of a second contract of a second c				
Carbon Tetrachloride	MD			
Chlorobenzene	MO			
Chloroethane	NO			
2-Chioroethylvinyl ether	ND			
Chloroform	NO			
Chloromethane	MO			
O Shanauch Laurenah	444			
Dibromochloromethane	MO MD			
1,1-Dichloroethane	ND			
1,2-Dichloroethane	NO			
1,1-Dichloroethylene	ND ND			
Trans-1,2-Dichloroethylene 1,2-Dichloropropene	NO NO			
(,2°01chtoropropere	WO .			
1,3-Dichloropropylene	NO			
Ethylbenzene	MD			
Methylene Chioride	NO			
1,1,2,2-Tetrachloroethane	NO			
Tetrachioroethylene	160			
1,1,1-Trichloroethane	ND	<b>;</b>		
1 1 2 Taight angushana	.un			
1,1,2-Trichloroethane	ND ND			
Toluene				
Vinyl Chloride	ND ND			
Tinyt Gitter (Get	NU			
EPA Method Number	624			
Laboratory,,	Brown &			
	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-36

1

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/03/86	01/10/86	10/08/85	
Acrolein	ND	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	NO	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	ND	MD	ND	
Chlorobenzene	470	460	370	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	CM	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	NO OM	ND ON	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	40	20	10	
Trans-1,2-Dichloroethylene	2200	1400	1200	
1,2-Dichloropropene	ND	10	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichtoroethane	550	220	270	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	6800	2600	6500	
Toluene	ND	ND	ND	
Vinyl Chloride	60	ND	NO	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-37

COMPOUND (micrograms per liter)	04/03/86	10/09/85	DATE	SAMPLED	
Acrolein	ND	ND			
Acrylonitrile	ND	ND			
Benzene	ND	ND ND			
Bromodich Loromethane	ND	NO			
Bromoform	ND	ND CM			
Bromomethane	ND	NU			
Carbon Tetrachloride	ND	ND			
Chlorobenzene	ND	ND			
Chloroethane	MD	NO			
2-Chloroethylvinyl ether	ND	ND			
Chloroform	ND	2			
Chloromethane	MD	ND_			
		•••			
Dibromochioromethane	MD	ND			
1,1-Dichloroethane	NO	ND			
1,2-Dichloroethane	ND	ND			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylene	ND	ND			
1,2-Dichloropropene	MD	ND			
4 = -1 11 1					
1,3-Dichloropropylene	NO	ND			
Ethylbenzene		ND			
Methylene Chloride		ND			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachloroethylene		NO			
1,1,1-Trichloroethane	MD	NO			
1,1,2-Trichloroethane	MĎ	NO			
Trichloroethylene	140	86			
Toluene		3			
Vinyl Chloride	NO NO	140			
TINYL GREEF CONTROL OF THE STREET	MU	<b>NU</b>			
EPA Hethod Number	624	624			
Laboratory	Brown &	Brown &			
	Calchell	Calchell			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-38

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-49

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/06/86	01/12/86	10/11/85	
Acrolein	ND	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	
Chiorobenzene	ND	ND	ND	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
			NO	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	NO	ND	ND	
Trans-1,2-Dichloroethylene	3	2	2	
1,2-Dichloropropane	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachioroethylene	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	
1 1 2 Taishlannahana	u n	110		
1,1,2-Trichloroethane	ND	ND NO	ND	
Trichloroethylene	ND	ND	ND	
Toluene	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
·	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-39

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-50

COMPOUND	**********		DATE	SAMPLED
(micrograms per liter)	04/06/86	01/12/86	10/11/85	
Acrolein	ND .	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	NO	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	NO	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane		ND	ND	
1,2-Dichloroethane		ND	ND	
1,1-Dichloroethylene		ND	ND	
Trans-1,2-Dichloroethylene		1100	2800	
1,2-Dichloropropane	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachloroethylene	ND	5	20	
1,1,1-Trichloroethane	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	ND	30	80	
Toluene		ND	20	
Vinyl Chloride		ND	4000	
EPA Method Number	624	624	624	
Laboratory		Brown &	Brown &	
Laboratory			Brown &	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	04/06/86	01/12/86	08/25/85	06/26/85	06/26/85	
Acrolein	. ND	ND	NO	•••	ND	
Acrylonitrile	. NO	ND	MD	•••	ND	
Benzene		ND	MD	ND	MD	
Bromodichloromethene		ND	ND	MD	MD	
Bromoform		ND	MD	ND	ND	
Bromomethane	. ND	MD	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	NO	MD	
Chlorobenzene	. ND	ND	ND	ND	ND	
Chloroethane	MD	NO	ND	ND	NO	
2-Chloroethylvinyl ether		NO	MO	MD	ND	
Chloroform		3400	3000	1200	1200	
Chloromethane	ND	ND	NO	NO	MD	
Dibromoch(oromethane	NO	MD	MD	MO	ND	
1,1-Dichloroethane	ND	ND	ND	ND	ND	
1,2-Dichloroethane	14000	22000	24000	1000	5000	
1,1-Dichloroethylene	ND	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene		19000	14000	23000	20000	
1,2-Dichloropropene	NO	ND	ND	ND	ND	
1,3-Dichloropropylene	MD	MD	MO	ND	MD	
Ethylbenzene	ND	ND	ND	MD	ND	
Methylene Chioride	36000	85000	140000	39000	23000	
1,1,2,2-Tetrachloroethane		NO	ND	ND	NO	
Tetrachloroethylene		ND	ND	MD	ND	
1,1,1-Trichloroethane	ND	NO	ND	ND	ND	
1,1,2-Trichloroethane	. ND	ND	MO	ND	MD	
Trichloroethylene	120000	140000	240000	100000	75000	
Toluene		29000	31000	9600	12000	
Vinyl Chloride	ND	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	624	
Laboratory		Brown &	Brown &	McKesson	Brown &	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND (micrograms per liter)	04/07/86	10/09/85	08/27/85	SAMPLED
Acrolein	ND	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	1	ND	2	
Bromoform	ND	ND	ND	
Bromomethane	ND	MD	ND	
Carbon Tetrachioride	ND	ND	ND	
Chiorobenzene	ND	NO	ND	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	3	ND	3	
Chloromethane	NO	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropene	NO	ND	ND	
1. Z-Dight angennyl one	ND	ND	ND	
1,3-Dichloropropylene	ND	ND QN	ND	
Methylene Chioride	ND	ND ND	ND	
1,1,2,2-Tetrachloroethane		ND	ND	
Tetrachloroethylene	MD	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	
1,1,2-TrichLoroethane	ND	ND	ND	
Trichioroethylene		110	2	
Toluene		ND	ND	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Calduell	Calchell	Caldwell	

<sup>(-) =</sup> Leas then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-42

1

COMPOUND .		• • • • • • • • • • • • • • • • • • • •	DATE	SAMPLED	
(micrograms per liter)	04/03/86	01/10/86	10/10/85	08/27/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	· ND	ND	DK	ND	
Benzene	310	77	220	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	NO	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	NO	ND	ND	
Chioroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform.	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
O i bromoch i oromethane	ND.	NP.	AID.	NO.	
	ND ND	ND	ND	ND	
1,1-Dichloroethere	70V 5	ND	ND	ND	
1,2-Dichloroethane	-	ND	ND	ND	
1,1-Dichloroethylene Trans-1,2-Dichloroethylene	, ND	ND	ND	ND	
1.2-Dichloropropene	ND ND	ND	ND	ND	
1,2-vicitoropropene	NU	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	30	8	ND	ND	
Methylene Chloride	NO	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	MD	ND	
Trichloroethylene	NO	ND	ND	ND	
Toluene	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	,
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Calchell	Caldwell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

COMPOUND . (micrograms per liter)	04/07/86	••••••	DATE	SAMPLED	••••••
	0.1,0.1,00				
Acrolein	ND				
Acrylonitrile	NO				
Benzene	NO				
Bromodichloromethene	NO				
Bromoform	NO				
Bromomethane	ND				
Carbon Te <sup>-</sup> _chloride	ND				
Chlorobenzene	ND				
Chloroethane	ND				
2-Chloroethylvinyl ether	MD				
Chloroform	ND				
Chloromethane	MD				
uitu uitu ii	, AU				
Dibromochloromethane	ND				
1,1-Dichloroethane	ND				
1,2-Dichloroethane	ND				
1,1-Dichloroethylene	ND				
Trans-1,2-Dichloroethylene	ND				
1,2-Dichloropropane	NO				
1,3-Dichloropropylene	МО				
Ethylbenzene	ND				
Methylene Chloride	ND				
1,1,2,2-Tetrachloroethane	ND				
Tetrachloroethylene	ND				
1,1,1-Trichloroethane	MD CIM				
i, i, i i i catoroetame	NU				
1,1,2-Trichloroethane	ND				
Trichloroethylene	7				
Toluene	ND				
Vinyl Chloride	ND				
EPA Method Number	624				
Laboratory	Brown &				
LEDUCALOCY					

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-44

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-55

COMPOUND			DATE	SAMPLED		•••••
(micrograms per liter)	04/02/86	01/10/86	12/13/85	12/11/85	08/26/85	
Acrolein	ND	NO	NO	ND	NO	
Acrylonitrile	ND	ND	MD	ND	NO	
Benzene	ND	ND	ND	ND	NO	
Bromodichloromethane	ND	ND	ND	MD	ND	
Bromoform	ND	ND	ND	NO	ND	
Bromomethane	MD	ND	ND	NO	ND	
Carbon Tetrachloride	ND	ND	ND	MD	ND	
Chlorobenzene	MD	ND	ND	ND	ND	
Chloroethane	MD	MD	MD	MD	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	
Chloroform	ND	MD	ND	ND	NO	
Chloromethane	ND	MD	ND	ND	ND	
Dibromochloromethane	MD	MD	ND	MD	WD	
1,1-Dichloroethane	MD	MD	MD	NO NO	ND ND	
1,2-Dichloroethane	NO	ND	ND.	NO NO	MD MD	
1,1-Dichloroethylene	MD	ND	ND ND	NO NO	ND ON	
Trans-1,2-Dichloroethylene	ND	ND	NO NO	NO NO	NO	
1,2-Dichloropropene	ND ND	ND	ND ND	NO NO	MO	
· / · · · · · · · · · · · · · · · · · ·		•••				
1,3-Dichloropropylene	ND	ND	ND	NO	NO	
Ethylbenzene	ND	ND	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	NO	
1,1,2,2-Tetrachloroethane	ND	ND	NO	ND	NO	
Tetrachloroethylene	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	NO	NO	MO	ND	
1,1,2-Trichloroethane	NO	NO	ND	ND	ND	
Trichloroethylene	2	2	4	13	4	
Toluene	15	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	NO	NO	
EPA Method Number	624	624	624	624	624	
Laboratory	Brown &					
	Caldwall	Caldwell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-45

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-56

Acrylonite Benzene Bromodich Bromoferm Bromometh Carbon Ter Chlorobeth 2-Chloroe Chlorofert Chlorometh	itrile	MO MO 190 MO MO MO	MD MD 390 MD MD MD	ND ND 440 ND ND	
Acrylonite Benzene Bromodich Bromoferm Bromometh Carbon Ter Chlorobert 2-Chloroe Chlorofor Chlorometh	irile	NO 190 NO NO NO	MD 390 MD MD MD	ND 440 ND ND	
Benzene Bromodich Bromoform Bromometh  Carbon Te Chloroben Chlorofor Chlorofor Chlorometh  Dibromoch	iloromethane	190 ND ND ND	390 ND ND ND	440 ND ND	
Bromodich Bromoform Bromometh Carbon Tei Chloroben Chlorofori Chlorofori Chlorometh Ofbromoch	itoromethane	MG MG MG	ND ND ND	NO NO	
Bromoform Bromometh Carbon Ter Chloroben Chlorofor Chlorofor Chlorometh	nene etrachloride	ND ND	NO NO	ND	
Carbon Ter Chlorobens Chloroeth 2-Chloroe Chlorofors Chlorometi	nere	MD	ND		
Carbon Te Chlorobens Chloroeth 2-Chloroe Chlorometi	etrachioride Name		A.S.		
Chloroben: Chloroeth 2-Chloroe Chlorofori Chlorometi	nzene		100		
Chloroeth 2-Chloroe Chlorofor Chlorometi Dibromoch	lane	MD .	ND	ND	
2-Chloroe Chlorofor Chlorometi	Name		NO	ND	
Chlorometi Chlorometi Dibromoch	sthuluimul athar	MD	ND	NO	
Chlorometi Dibromoch		NO	NO	NO	
Dibromoch	<b>''0</b>	ND	ND	HO.	
	th <b>ane</b>	NO	MO	NO	
	loromethene	ND	ND	ND	
1,1-Dichl	loroethene	ND	NO	MD	
	loroethane	MD	ND	ND	
	oroethylene	MO	NO	ND	
Trans-1,2	2-Dichloroethylene	NO	5	5	
	loropropene	NO	MD	ND	
	loropropylene	NO	ND	ND	
	tene	ND	ND	70	
Methylane	Chloride	ND	ND	ND	
1,1,2,2-T	letrachioroethane	ND	ND	ND	
Tetrachlo	proethylene	ND	10	ND	
1,1,1-Tri	ichloroethane	MD	NO	NO	
	ichloroethane	MD	ND	ND	
	sethylene	MD	10	ND	
Toluene		ND	25	25	
Vinyl Chi	loride	ND	ND	NO	
EDA Macha	nd Humber	624	624	624	
		Brown &	A mora	Brown &	
ranous (or	ry				

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND (micrograms per liter)	06/29/85	DATE	SAMPLED	•••••
Acrolein	MO			
Acrylonitrile	ND			
Benzene	ND			
Bromodichloromethane	ND			
Bromoform	ND			
Bromomethane	ND			
Carbon Tetrachloride	ND			
Chiorobenzene	ND			
Chloroethane	ND			
2-Chioroethylvinyl ether	ND			
Chloroform	ND			
Chloromethane	MD			
Dibromochloromethane	ND			
1,1-Dichloroethane	NO			
1,2-Dichloroethane	ND			
1,1-Dichloroethylene	ND			
Trans-1,2-Dichloroethylene	NO			
1,2-Dichloropropene	MO			
1,3-Dichloropropylene	MD			
Ethylbenzene	ND			
Methylene Chloride	MD			
1,1,2,2-Tetrachloroethane	ND			
Tetrachloroethylene	ND			
1,1,1-Trichloroethane	ND			
1,1,2-Trichloroethame	MO			
Trichloroethylene	NO			
Toluene	NO.			
Vinyl Chloride	MO			
EPA Hethod Number	624			
Laboratory	Brown &			
	Calchell			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

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COMPOUND (micrograms per liter)		SAMPLED
Acrolein	NO	
Acrylonitrile	NO	
Benzene	ND	
Bromodichloromethane	MO	
Bromoform	ND	
Bromomethane	MD	
Carbon Tetrachleride	ND	
Chlorobenzene	MD	
Chloroethane	NO	
2-Chloroethylvinyl ether	NO	
Chloroform	ND	
Chloromethane	NO	
Bib semanti assaultana		
Dibromochloromethane	ND	
1,2-Dichloroethane	ND ND	
1,1-Dichloroethylene	MD	
Trans-1,2-Dichloroethylene	<b>~</b> 1	
1,2-Dichloropropene	MD .	
1,3-Dichloropropylene	NO	
Ethylbenzene	ND	
Methylene Chloride	NO	
1,1,2,2-Tetrachloroethane	NO	
Tetrachloroethylene	NO	
1,1,1-Trichloroethane	ND	
1,1,2-Trichloroethane	NO	
Trichloroethylene	NO	
Toluene	NO	
Vinyl Chloride	ND	
EPA Method Number	624	
Laboratory	Brown &	
	Caldwell	
	CE CORE (	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-48 RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-59

COMPOUND	*********	• • • • • • • • • • • • • • • • • • • •	DATE	SAMPLED
(micrograms per liter)	04/04/86	10/11/85	06/29/85	
Acrolein	MD	NO	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	NO	
Bromodichloromethane	NO	NO	ND	
Bromoform	ND	MD	ND	
Bromomethane	ND	ND	NO	
Carbon Tetrachloride	NO	NO	MD	
Chiorobenzene	ND	NO	ND	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochi oromethane	ND	ND	MD	
1,1-Dichloroethane		MD	ND	
1,2-Dichloroethane		ND	MD	
1,1-Dichloroethylene		ND	MD	
Trans-1,2-Dichloroethylene		MD	ND	
1,2-Dichloropropene	ND	MD	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	NO	ND	ND	
1,1,2,2-Tetrachloroethane	ND	MD	ND	
Tetrachloroethylene	45	65	63	
1,1,1-Trichloroethane	ND	NO	ND	
1,1,2-Trichloroethene	ND	ND	ND	
Trichloroethylene	~~,	11	12	
Toluene	NO	ND	5	
Vinyl Chloride	NO	ND	ND	
EPA Method Number	624	624	624	
Laboratory	8roun £	Brown &	Brown &	
Lauri diviy	Caldwell	Brown & Caldwell	Brown & Caldwell	
		AS COME!	CELUMELL	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/04/86	10/12/85	07/01/85	
Acrolein	ND	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane		ND	ND	
1,2-Dichloroethane	ND	MD	ND	
1,1-Dichloroethylene	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	
4 7 64-64 000000000000000000000000000000000	***			
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	.55	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachioroethylene	MD	ND	MD	
1,1,1-Trichloroethane	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	ND ND	620	890	
Toluene	ND ND	ND	ND	
Vinyl Chloride	ND	ND ON	ND ND	
vinyt witter recessions.	(N)	NU	RU	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
• • • • • • • • • • • • • • • • • • • •	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-50

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-62

COMPOUND (micrograms per liter)	04/02/86	01/09/86	DATE 10/10/85	SAMPLED 06/30/85	•••••
Acrolein	ND	ND	ND	ND	
Acrylonitrile	· ND	ND	ND	ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	CN	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chioroethane	MD	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane.	ND	ND	ND	ND	
ontal one the latest the contract the contra	NO	NU	ND	NU	
Dibromochloromethane	NO	ND	ND	ND	
1,1-Dichloroethane	1	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	
1,1-Dichloroethylene	. ND	MD	1	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	
Methylene Chioride	ND	ND	ND	ND	
1,1,2,2-Tetrachioroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	5	4	11	5	
1,1,2-Trichloroethane	ND	NO	ND	ND	
Trichloroethylene	7	9	14	35	
Toluene	ND	ND	2	ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	Caldwell	
	COLUMNIC	CALUMBIL	Calumett	COLUMELL	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-51

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-63

COMPOUND	************************		DATE	SAMPLED	*************************
(micrograms per liter)	04/06/86	10/10/85	08/27/85	06/30/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	MD	ND	ND	ND	
Benzene	ND	ND	ND	2	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	NO	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chiorobenzene	ND	ND	29	ND	
Chloroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	MD	MD	ND	
1,1-Dichloroethane		ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	MD	
1,1-Dichloroethylene	43	4	ND	ND	
Trans-1.2-Dichloroethylene	740	670	510	110	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	~~2	MD	ND	ND	
Methylene Chioride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	3	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichtoroethylene	3300	790	710	۷	
Toluene	ND	ND	ND	ND T	
Vinyl Chloride	14	30	ND	19	
EPA Nethod Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-52

COMPOUND .	04 407 404	10/11/85	. DATE	SAMPLED	
(micrograms per liter)	04/07/86	10/11/03			
Acrolein	NĎ	ND			
Acrylonitrile	ND	ND			
Benzene	ND	ND			
Bromodichloromethane	D	ND			
Bromoform	ND	ND			
Bromomethane	ND	ND			
gromome thane	NO.	NO			
Carbon Tetrachloride	ND	ND			
Chlorobenzene	ND	ND			
Chloroethane	ND	ND			
2-Chloroethylvinyl ether	NO	ND			
Chloroform	ND	ND			
Chioromethane	ND	ND			
Dibromochloromethane	ND	ND			
1,1-Dichloroethane	ND	ND			
1,2-Dichioroethane	ND	NO			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylene	ND	1			
1,2-Dichloropropane	ИD	ND			
1,3-Dichloropropylene	ND	ND			
Ethylbenzene	ND	ND			
Methylene Chloride	ND	ND			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachioroethylene	150	300			
1,1,1-Trichloroethane	DM	ND			
1,1,2-Trichloroethame	ND	ND			
Trichloroethylene	76	220			
Toluene	ND	1			
Vinyl Chloride	ND	ND.			
,		•••			
EPA Method Number	624	624			
Laboratory	Brown &	Brown &			
•	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-53

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-65

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/06/86	01/12/86	10/10/85	06/30/85	
Acrolein	ND	ND	ND .	ND	
Acrylonitrile	ND	ND	NO	ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	MD	ND	ND	
Bromoform	ND	ON	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	NO	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND.	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ДИ	ND	
1,1-Dichloroethylene	ND	ND	ND .	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	ON	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	<sub>2</sub>	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichloroethylene	ND	ND	ND	ND	
Toluene	ND	ND		ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
• • • • • • • • • • • • • • • • • • • •	Caldwell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND		******	DATE	SAMPLED		
(micrograms per liter)	04/06/86	10/12/85	06/30/85		•••••••••••••	• • • • • • • • • • • • •
Acrolein	MD	MD	MD			
Acrylonitrile	ND	ND	ND			
Benzene	MD	ND	WD			
Bromodichioromethane	ND	ND	ND			
Bromoform	MD	ND	ND			
Bromomethane	ND	ND	NO			
Carbon Tetrachloride	MD	MD	ND			
Chlorobenzene	ND	MD	MO			
Chioroethane	MD	MD	NO.			
2-Chloroethylvinyl ether	ND	ND	NO NO			
Chloroform	MD	NO NO	MO			
Chloromethane	ND	MO	NO.			
Dibromochloromethane	ND	ND	NO			
1,1-Dichloroethane	KD	ND	ND			
1,2-Dichloroethane	ND	ND	NO			
1,1-Dichloroethylene	ND	ND	ND			
Trans-1,2-Dichloroethylene	ND	NO	1			
1,2-Dichloropropene	ND	ND	ND			
1,3-Dichloropropylene	ND	ND	ND			
Ethylbenzene	ND	MD	ND			
Methylene Chloride	NO.	ND	WD			
1,1,2,2-Tetrachloroethane	ND	ND	ND			
Tetrachioroethylene	ND	ND	ND			
1,1,1-Trichloroethane	NO	ND	ND			
1,1,2-Trichloroethane	110					
Trichloroethylene	ND 34	ND 220	NO			
Toluene	NO		.57			
Vinyl Chloride	MD	MO ND	NO			
***************************************	NU	NU	ND			
EPA Method Number	624	624	624			
Laboratory	Brown &	Brown &	Brown &			
	Calchell	Calchell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-55

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-68

COMPOUND .				SAMPLED	••••••
(micrograms per liter)	04/08/86	01/09/86	10/12/85	07/01/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene	ND	NO	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	MD	MD	ND	ND	
Chiorobenzene	ND	ND	ND	ND	
Chloroethane	MO	MO	MD	ND	
2-Chloroethylvinyl ether	MD	ND	NED	ND	
Chloroform.	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	148	410			
	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	NO	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropane	ND	NO	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	
Hethylene Chloride	ND	MD	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	MD	ND	ND	ND	
Trichioroethylene	27	7	ND	ND	
Toluene	10	, 8	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/02/86	10/12/85	07/01/85	
Acrolein	MD	ND	MD	
Acrylonitrile	ND	ND	ND	
Benzene	HO	ND	ND	
Bromodichloromethane	ND	MD	ND	
Bromoform	ND	ND	ND	
Bromomethane	NO	ND	ND	
Carbon Tetrachloride	МО	ND	ND	
Chilorobenzene	ND	ND	MD	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	NO	
1,1-Dichloroethylene	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	4	
1,2-Dichloropropene	ND	ND	ND	·
1,3-Dichloropropylene	ND	ND	NO	
Ethylbenzene.	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	MD	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethane	NO	ND	ND	
1,1,2-Trichloroethane	NO	ND	MD	
Trichloroethylene	3	4	3	
Toluene	ND	1	2	
Vinyl Chloride	ND	ND	MD	
EPA Method Number	624	624	434	
Laboratory	Brown &	Brown &	624 Brown &	
Lawrence J	Calchell	caldwell	erown & Caldwell	

<sup>(-) =</sup> Leas than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE C-57

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-70

COMPOUND			DATE	SAMPLED	• • • • • • • • • • • • • • • • • • • •
(micrograms per liter)	04/07/86	01/10/86	10/12/85	06/28/85	
Acrolein	ND	MD	ND	ND	
Acrylonitrile	ND	ND	ND	MD	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	MD	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	NO	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
<b>89</b>					
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND DK	ND	
Methylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	. ND	ND	
Tetrachioroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethene	ND	ND	ND	ND	
1,1,2-Trichloroethane	110	400	AID.		
Trichloroethylene	ND 7900	ND 8000	ND 8500	ND	
Toluene				9200	
Vinyl Chloride	NO	ND	ND	ND	
vinyt Gitoriae	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-58

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-71

COMPOUND (micrograms per liter)	04/08/86	10/12/85	DATE 06/28/85	SAMPLED
,				
Acrolein	ND	ND	ND	
Acrylonitrile	ND	MD	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	ЖD	MD	ND	
Chlorobenzene	MD	MD	NO	
Chioroethane	MO	NED	MO	
2-Chloroethylvinyl ether	MD	ND	ND	
Chloroform	ND	ND	MD	
Chioromethane	ND	ND ND	MD	
GRECOMMETRICATE			MU.	
Dibromochloromethane	ND	MO	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene		ND	ND	
Trans-1,2-Dichloroethylene		ND	ND	
1,2-Dichloropropene		ND	ND	
.,				
1,3-Dichloropropylene		ND	ND	
Ethylbenzene		ND	ND	
Methylene Chloride		ND	ND	
1,1,2,2-Tetrachloroethane		ND	ND	
Tetrachioroethylene		ND	ND	
1,1,1-Trichloroethane	MD	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene		1200	1200	
Toluene		ND	ND	
Vinyl Chloride		ND	ND	
ena washadan ahaa	484		404	
EPA Method Humber		624	624	
Laboratory		Brown &	Brown &	
	Caldwell	Calchell	Caldwell	
			_	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Mot analyzed



TABLE C-59

## RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-72

COMPOUND	••••••	• • • • • • • • • • • • •	DATE	SAMPLED	 • • • • • • •	
(micrograms per liter)	04/04/86	10/12/85	06/28/85			
Acrolein	ND	ND	ND			
Acrylonitrile	ND	ND	MD			
Benzene	NO	ND	ND			
Bromodichloromethane	ND	ND	ND			
Bromoform	ND	ND	ND			
Bromomethane	NO	ND	MD			
Carbon Tetrachloride	ND	MD	ND			
Chlorobenzene	MD	ND	ND			
Chloroethane	ND	MD	NO			
2-Chloroethylvinyl ether	NO	ND	NO			
Chloroform	MO	ND	ND			
Chloromethane	ND	ND	ND			
Dibromochloromethane	ND	MD	MD			
1,1-Dichloroethane	NO	ND	ND			
1,2-Dichloroethane	ND	ND	ND			
1,1-Dichloroethylene	NO	ND	ND			
Trans-1,2-Dichloroethylene	ND	ND	NO			
1,2-Dichloropropene	ND	ND	ND			
1,3-Dichloropropylene	ND	ND	MD			
Ethylbenzene	ND	ND	ND			
Methylene Chloride	ND	ND	ND			
1,1,2,2-Tetrachloroethane	ND	ND	ND			
Tetrachloroethylene	NO	ND	ND			
1,1,1-Trichloroethane	ND	ND	ND			
1,1,2-Trichloroethane	ND	ND	ND			
Trichloroethylene	<b>~~</b> 1	ND	ND			
Toluene	ND	····· 1	ND			
Vinyl Chloride	ND	ND .	ND			
EPA Method Number	624	624	624			
Laboratory	Brown &	Brown &	Brown &			
	Calchell	Caldwell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-60

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-73

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/04/86	10/12/85	06/27/85	WWW.550
Acrolein	ND	ND	MC	
Acrylonitrile	NO	ND	NO	
Benzene	NO	ND	ND	
Bromodichloromethane	MD	MD	ND	
Bromoform	NO	ND	ND	
Bromomethane	MD	ND	ND	
Carbon Tetrachioride	MD	ND	ND	
Chlorobenzene	ND	MD	NO.	
Chloroethane	NO.	ND	ND	
2-Chloroethylvinyl ether	ND	ND	NO.	
Chioroform	ND	ND	MD	
Chloromethane	ND	ND	NO.	
Dibromochloromethene	NO	ND	NO	
1,1-Dichloroethane	MD	ND	ND	
1,2-Dichloroethane	MD	ND	HD	
1,1-Dichloroethylene	MD	ND	NO	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropene	NO	ND	NO	
1,3-Dichloropropylene	ND	ND	NO	
Ethylbenzene	ND	ND	MD	
Methylene Chloride	MD	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichlorgethane	ND	ND	ND	
,,,, i i i i i i i i i i i i i i i i i	NU	ND	NU	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	ND	ND	ND	
Toluene	MD	ND	ND	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Calchell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-61
RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-74

COMPOUND	04/04/86	10/12/85	DATE 06/26/85	SAMPLED
(micrograms per liter)	04/04/00	10/12/03	00/20/03	
Acrolein	NO	WD	MD	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	NO	MD	
Carbon Tetrachloride	ND	MD	ND	
Chlorobenzene	ND	NO	ND	
Chloroethane	MD	MD	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
	****	,,,,		
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	NO	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	HD	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropane	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	HD	ND	
Hethylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	ND	MD	ND	
Toluene	ND	ND	ND	
Vinyl Chloride	MD	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

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#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-75

COMPOUND (micrograms per liter)	04/07/86	06/27/85	DATE	SAMPLED	
,					
Acrolein	. ND	ND			
Acrylonitrile	, ND	ND			
Benzene	, ND	HO			
Bromodichloromethane	. ND	ND			
Bromoform	. ND	ND			
Bromomethane	. ND	ND			
Carbon Tetrachloride	. ND	ND			
Chlorobenzene	. ND	ND			
Chloroethane	. ND	ND			
2-Chioroethylvinyl ether		ND			
Chloroform		NO			
Chloromethane	•	ND			
	•				
Dibromochloromethane	. ND	ND			
1,1-Dichloroethane	. ND	ND			
1,2-Dichloroethane		NO			
1,1-Dichloroethylene		ND			
Trans-1,2-Dichloroethylene		ND			
1,2-Dichloropropene		ND			
· / L U Coll Coll Copie Copie Copie Coll Coll Coll Copie Cop		5			
1,3-Dichloropropylene	. ND	ND			
Ethylbenzene		ND			
Methylene Chloride		ND			
1,1,2,2-Tetrachloroethane		ND			
Tetrachloroethylene		ND			
1,1,1-Trichloroethane		ND			
	•				
1,1,2-Trichloroethane	, ND	ND			
Trichloroethylene		ND			
Toluene		ND			
Vinyl Chloride		ND			
		,,,			
EPA Method Number	. 624	624			
Laboratory	. Brown &	Brown &			
	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-63

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-76

COMPOUND (micrograms per liter)	04/03/86	06/27/85	DATE	SAMPLED	•••••	••••••
(micrograms per titer)	04/03/00	00/21/03				
Acrolein		ND				
Acrylonitrile	ND	ND				
Benzene		ND				
Bromodichloromethane		ND				
Bromoform	. ND	ND				
Bromomethane	ND	ND				
Carbon Tetrachloride	ND	ND				
Chlorobenzene		ND				
Chloroethane		ND				
2-Chloroethylvinyl ether		ND				
Chloroform		ND				
Chloromethane	ND	ND				
	<b>,,</b>					
Dibromochloromethane	ND	ND				
1,1-Dichloroethane	ND	ND				
1,2-Dichloroethane	ND	ND				
1,1-Dichloroethylene	ND	ND				
Trans-1,2-Dichloroethylene	NO	ND				
1,2-Dichloropropane	ND	ND				
1,3-Dichloropropylene	ND	МĎ				
Ethylbenzene	ND	ND				
Methylene Chloride		ND				
1,1,2,2-Tetrachloroethane	ND	ND				
Tetrachloroethylene	ND ND	ND				
1,1,1-Trichloroethane	ND	ND				
',',' 'I' 'OILO' OELIGIE	NU	NU				
1,1,2-Trichloroethane	ND	ND				
Trichloroethylene	MD	ND				
Toluene	ND	ND				
Vinyl Chloride	ND	ND				
EPA Method Number	624	624				
Laboratory		Brown &				
	Calchell	Calchell				
	CELCHELL	OBLUNE!!				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-77

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COMPOUND	DATE			SAMPLED
(micrograms per liter)	04/04/86	10/08/85	06/28/85	
Acrolein	ND	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	ND	MD	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	MD	
Carbon Tetrachloride	ND	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	МD	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	1	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND ND	ND	
1,2-Dichloroethane	ND	ND ND	ND	
1,1-Dichloroethylene	ND	ND ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	NO	ND	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	
Trichloroethylene	3	2	9	
Toluene	ND D	ND	ND	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Calchiell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-65

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-78

COMPOUND			DATE		••••••
(micrograms per liter)	04/08/86	01/10/86	10/12/85	07/01/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene	3300	2100	3800	5200	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	390	ND	ND	
Chloroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropane	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	710	250	650	1100	
Methylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND ·	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichloroethylene	ND	ND	120	ND	
Toluene	330	230	380	1200	
Vinyl Chloride	ND	ND	ND	ND	
	-				
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
,	Caldwell	Caldwell	Caldwell	Caldwell	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-66

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-79

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/08/86	10/11/85	06/28/85	
Acrolein	NO	ND	ND	
Acrylonitrile	ND	ND	ND	
Benzene	ND	NO	ND	
Bromodichloromethane	ND	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	ND	ND	ND	
Chloromethane	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	NO	ND	NO	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropane	ND	ND	ND	
1,3-Dichloropropylene	ПO	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachioroethylene	4	3	5	
1,1,1-Trichloroethane	ND.	ND	ND	
• • •			2	
1,1,2-Trichioroethane	ND	ND	ND	
Trichloroethylene	71	83	150	
Toluene	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-80

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COMPOUND			DATE	SAMPLED	******
(micrograms per liter)	04/07/86	01/10/86	12/13/85	C6/26/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	NÐ	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chioroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ИD	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	
1,2-Dichloropropane	ND	2	2	4	
			_		
1,3-Dichloropropylene	NO	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroexhane	ND	ND	ND	ND	
• • • • • • • • • • • • • • • • • • • •				2	
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichloroethylene	ND	ND	ND	ND	
Toluene	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	
,	70	110	No	****	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-81

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/07/86	06/28/85	,		•
Acrolein	MO	NO			
Acrylonitrile	ND	ND			
Benzene	ND	ND			
Bromodichloromethane	ND	MD			
Bromoform	ND	MO			
Bromomethane	ND ND	ND ND			
	NO.				
Carbon Tetrachloride	NO	ND			
Chlorobenzene	ND	NO			
Chloroethane	MD	ND CM			
2-Chioroethylvinyl ether	MD	MD			
Chloroform	MO	ND ND			
Chloromethane	MD	NO.			
Dibromochloromethane	MA.	ND			
	ND ND				
1,1-Dichloroethane	MD	MD			
1,2-Dichloroethane	ND	NO			
1,1-Dichloroethylene	ND ND	ND			
Trans-1,2-Dichloroethylene	MD	ND			
1,2-Dichloropropene	NO	ND			
1,3-Dichloropropylene	MO	MD			
Ethylbenzene	ND	ND			
Methylene Chloride	MD	NO			
1,1,2,2-Tetrachloroethane	ND	MD			
Tetrachloroethylene	ND	ND			
1,1,1-Trichloroethane	ND	MD			
i, i, i i i i i i i i i i i i i i i i i	110				
1,1,2-Trichloroethane	ND	ND			
Trichloroethylene	ND	NO NO			
Toluene	MD	NO NO			
Vinyl Chloride	ND	MD			
	····	<del>~~</del>			
EPA Method Number	624	624			
Laboratory	Brown &	Brown &			
	Caldwell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-82

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COMPOLIND			DATE	SAMPLED	
(micrograms per liter)	04/08/86	01/09/86	10/12/85	06/28/85	******************
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			10, 10, 00		
Acrolein	MD	MD	NO	ND	
Acrylonitrile	ND	ND	NO	ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chiorobenzene	ND	ND	ND	ND	
Chloroethane	NO	ND	ND	ND	
2-Chloroethylvinyl ether	MO	ND	ND	ND	
Chloroform	NO	ND	NO	MD	
Chioromethane	NO	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichtoroethane	ND	ND	NO	ND	
1,1-Dichloroethylene	KD	ND	ND	ND	
Trans-1,2-Dichloroethylene	1100	1100	700	860	
1,2-Dichtoropropene	NO	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	NO	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
4.4.9 #=1-61					
1,1,2-Trichloroethane	ND	ND	ND	ND	
Trichloroethylene	16000	13000	14000	15000	
TolueneVinyl Chloride	ND	ND	ND	ND	
vinyt untorioe	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Caldwell	Caldwell	Caldwell	
	Calculat (	CELCHIE! (	COLUMBII	CELUMPII	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-83

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/04/86	01/10/86	12/12/85	11/08/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	ND	NO	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	MD	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	MD	ND	ND	
Chloroethane	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform.	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	NĐ	ND	ND	
Trans-1,2-Dichloroethylene	4	~2	2	3	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3-Dichloropropylene	₩D	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	
Hethylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	WD.	AIT.	MO	
Trichloroethylene	13	ND 7	ND 7	ND 10	
Toluene		-	•		
Vinyl Chloride	ND ND	ND ND	ND ND	ND ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Calchiell	Calchiell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-71

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-84

COMPOUND (micrograms per liter)	04/04/86	01/10/86	DATE	SAMPLED 11/08/85	•••••
, at a conf	***************************************	V - V - V - V - V - V - V - V - V - V -	,,	,	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	NO	ND	ND	ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	MD	ND	
Bromoform	ND	MD	ND	ND	
Bromomethane	ND	ND	ND	NO	
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	
2-Chioroethylvinyl ether	ND	NO	ND	ND	
Chloroform	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND.	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene		ND	2	3	
1,2-Dichloropropene	MD	ND	ND	ND	
		-			
1,3-Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	NO	ND	ND	
Tetrachloroethylene	ND	AD OH	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
Tities of the residence	NU	NO	NU	AU	
1 1 2 Telebiopenthan		110			
1,1,2-Trichloroethane	ND	NO	ND 1	ND,	
Trichloroethylene	ND	ND	•	4	
TolueneVinyl Chloride	ND	ND	ND	ND	
vinyt Catoriae	ND	NÔ	ND	ND	
EDS Machael Number		121	494		
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Calchiell	Caldwell	Caldwell	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-72

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-85

COMPOUND .			DATE	SAMPLED	•••••
(micrograms per liter)	04/04/86	01/10/86	12/12/85	11/08/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	NO	MD	MD	ND	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	MD	NO	ND	
Bromoform	ND	ND	ND	ND	
Bromomethane	MD	ND	MD	MD	
Carbon Tetrachloride	МО	МО	MD	MD	
Chlorobenzene	ND	ND	MD	ND	
Chloroethane	MD	ND	MD	MD	
2-Chloroethylvinyl ether	NO	MD	ND	MO	
Chloroform	ND	ND	MD	MD	
Chloromethane	ND	ND	MO	MD	
Dibromochloromethane	MD	ND	NO	MO	
1,1-Dichloroethane	ND	ND	MO	MD	
1,2-Dichloroethane	ND	MD	NO NO	ND ND	
1,1-Dichloroethylene	ND	ND	MO	ND ND	
Trans-1,2-Dichloroethylene	MD	ND	MD	ND	
1,2-Dichloropropene	ND	ND	ND	ND	
4 9 07-11					
1,3-Dichloropropylene	ND	ND	ND	NO	
Ethylbenzene	ND	ND	ND	ND	
Hethylene Chloride	ND	ND	MD	NO	
1,1,2,2-Tetrachloroethane	ND	ND	ЖD	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	MD	ND	
1,1,2-Trichloroethane	NO	ND	ND	MD	
Trichloroethylene	ND	ND	MD	NO	
Toluene	3	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
, , , , , , , , , , , , , , , , , , , ,	Caldwell	Calcheil	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-73

## RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-1

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/02/86	01/08/86	06/25/85		
Acrolein	ND	MD	ND		
Acrylonitrile	ND	ND	ND		
Benzene	ND	ND	ND		
Bromodich Loromethane	ND	NO	HD		
Bromoform	ND	ND	ND		
Bromomethene	MD	NO	NO		
Carbon Tetrachloride	MD	ND	ND		
Chiorobenzene	NO	ND.	ND		
Chloroethene	ND	10	MD		
2-Chioroethylvinyl ether	MD	MD	, MD		
Chloroform	ND	ND	ND		
Chloromethane	ND	NO	ND		
Dibromoch Loromethene	MQ	MD	ND		
1,1-Dichloroethane	NO	ND	ND		
1,2-Dichloroethane	ND	ND	ND		
1,1-Dichloroethylene	ND	ND	ND		
Trans-1,2-Dichloroethylene	ND	ND	ND		
1,2-Dichloropropene	ND	NO	ND		
1,3 Dichloropropylene	MD	ND	ND		
Ethylbenzene	100	160	ND ND		
Methylene Chioride	NO NO	MO	100		
1,1,2,2-Tetrachloroethane	ND	MD	MD		
Tetrachloroethylene	NO NO	NO	ND		
1.1.1-Trichloroethene	MD	NO NO	ND ND		
THE PROPERTY OF CHARGE THE PROPERTY OF THE PRO	THE STATE OF THE S				
1,1,2-Trichloroethane	160	MD	ND		
Trichloroethylene	MD	MD	MD		
Toluene	NO	ND	NO		
Vinyl Chloride	NO	NO	NO		
EDS Machael Markey		454	454		
EPA Method Number	624	624	624		
Laboratory	Brown &	Brown &	Brown &		
	Calchiell	Calchell	Calckeli		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

TABLE C-74

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-2

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/05/86	01/10/86	06/27/85	
Acrolein	ND	MD	MD	
Acrylonitrile	ND	160	NO	
Senzene	ND	ND	NO	
Bramodichloromethane	NO	ND	ND	
Bromoform	ND	ND	ND	
Bromomethane	MD	NO	MD	
Carbon Tetrachloride	NO	MD	MD	
Chlorobenzene	100	NO.	MD	
Chloroethane	100	100	100	
2-Chloroethylvinyl ether		NO	100	
Chloroform	100 100	ND	MD	
Chioromethane	NO NO	NO NO	100	
			-	
Dibromochloromethene	MD	NO	MD	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	NO	ND	MD	
1,1-Dichloroethylene	ND	ND	MD	
Trans-1,2-Dichloroethylane	ND	ND	ND	
1,2-Dichloropropene	NO	ND	ND	
1,3 Dichloropropylene	NO	ND	ж	
Ethyloenzene	10	ND.	MD	
Methylene Chloride	10	MD	MD	
1,1,2,2-Tetrachloroethane	ND.	ND	MD	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethane	NO	NO	NO	
1 1 2-Taichlessethess	<b></b>		***	
1,1,2-Trichloroethane	ND ND	140 140	NO NO	
	MO			
TolueneVinyl Chloride	ND ND	MD MD	NO NO	
vinyt untoride	NO	NO.	, mu	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Caldwell	Calchell	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound  $\{\cdots\}$  = Not analyzed



# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-3

COMPOUND (micrograms per liter)	04/06/86	DA	ATE SAMPLED	
Acrolein	. MD			
Acrylonitrile				
Benzene				
Bromodichloromethane	MD			
Bromoform				
Bromomethane	. 40			
Carbon Tetrachloride	, ND			
Chlorobenzene	, ND			
Chloroethene				
2-Chloroethylvinyl ether	. NO			
Chloroform				
Chloromethane	, ND			
Dibromochloromethane	, ND			
1,1-Dichloroethane	. ND			
1,2-Dichloroethane	. ND			
1,1-Dichloroethylene				
Trans-1,2-Dichloroethylene	. ND			
1,2-Dichloropropene	. 110			
1,3 Dichloropropylene	. 110			
Ethylbenzene				
Methylene Chloride				
1,1,2,2-Tetrachloroethane	. 10			
Tetrachloroethylene				
1,1,1-Trichloroethane	. 10			
1,1,2-Trichloroethene	. ND			
Trichloroethylene				
Toluene				
Vinyl Chloride				
EPA Method Number	. 624			
Laboratory	. Brown &			
•	Caldwell		•	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-76

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-4

Miles	COMPOUND			DATE	SAMPLED		
Acrylonitrile		04/02/86	01/09/86			06/25/85	
Acrylonitrile							
Benzere	Acrolein	NO	KD	ND	•••	i.	
Benzere		NO	ND	ND	• • •		
Bromoform		ND	ND	ND	MD	ND	
Brommethane	Bromodichloromethane	ND	ND	ND	ND	ND	
Carbon Tetrachloride	Bromoform	NO	ND	ND	MD	ND	
NO ND	Bromomethane	NO	ND	ND	MD	MD	
NO ND							
Chloroethare	Carbon Tetrachloride	MD	ND	MO	NO	ND	
2-Chloroethylvinyl ether ND	Chlorobenzene	NO	ND	ND	MD	ND	
2-Chloroethylvinyl ether ND		ND	ND	ND	ND	ND	
Chloroform		NO	NO	ND	ND	MD	
Dibromochloromethane		ND	NO	ND	ND	ND	
1,1-Dichloroethane	Chloromethane	ND	ND	ND	ND	ND	
1,1-Dichloroethane							
1,2-Dichloroethylene	Dibromochloromethane	MD	MD	MD	NO	ND	
1,2-Dichloroethylene	1,1-Dichloroethane	ND	NO	ND	ND	ND	
1,1-Dichloroethylene	1.2-Dichloroethane	ND	ND	ND	MD	MD	
Trans-1,2-Dichloroethylene   130   120   160   260   210     1,2-Dichloropropene   ND   ND   ND   ND   ND     1,3-Dichloropropylene   ND   ND   ND   ND   ND     Ethylbenzene   ND   ND   ND   ND   ND     Methylene Chloride   ND   ND   ND   ND   ND     1,1,2-Tetrachloroethane   ND   ND   ND   ND   ND     Tetrachloroethylene   ND   ND   ND   ND   ND     1,1,1-Trichloroethane   ND   ND   ND   ND   ND     Trichloroethylene   ND   ND   ND   ND     Trichloroethylene   ND   ND   ND   ND     Toluene   ND   ND   ND   ND   ND   ND     Toluene   ND   ND   ND   ND   ND   ND     Toluene   ND   ND   ND   ND   ND   ND   ND		NO	ND	ND	ND	ND	
1,2-Dichloropropane		130	120	160	260	210	
Ethylbenzene		ND	ND	ND	ND	ND	
Ethylbenzene							
Ethylbenzene	1.3-Dichloropropylene	MD	ND	MD	MD	ND	
1,1,2,2-Tetrachloroethane	Ethylbenzene	ND	ND	ND	NO	ND	
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	
Tetrachloroethylene	1,1,2,2-Tetrachloroethane	NO	NO	MD	ND	MO	
1,1,1-Trichloroethane	Tetrachloroethylene	NO	NO	MD	NO	ND	
Trichloroethylene		NO	ND	ND	ND	ND	
Trichloroethylene							
Trichloroethylene	1,1,2-Trichloroethane	MO	ND	MC	ND	ND	
Toluene			ND	ND	NO	ND	
Vinyl Chloride	Toluene	MO	NO	ND	ND	ND	
EPA Method Number				110		52	
Laboratory Brown & Brown & Brown & McKesson Brown &							
Laboratory Brown & Brown & Brown & McKesson Brown &	EPA Hethod Number	624	624	624	624	624	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-77

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-5 UPPER

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/02/86	01/08/86	10/09/85	06/27/85	
Acrolein	ND	ND	ND	ND	
Acrylonitrile	ND	ND	MD	ND	
Benzene	MD	MD	ND	MD	
Bromodichloromethane	ND	ND	MD	MD	
Bromoform	ND	ND	MD	MD	
Bromomethane	NO	ND	ND	ND	
6 . h		***			
Carbon Tetrachloride	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	MD	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	MD	ND	ND	ND	
Chloromethane	ND	ND	ND	MD	
Dibromochloromethane	140		**	<b></b>	
	MD	ND	MD	MD	
1,1-Dichloroethane	MD	HD	MD	MD	
1,2-Dichloroethane	NO	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	MD	NO .	
Trans-1,2-Dichloroethylene	. 12	6	2	4	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3 Dichloropropylene	MD	MD	ND	MC	
Ethylbenzene.	MD	ND	MD	ND	
Methylene Chloride	NO NO	NO 100	MD	MC	
1,1,2,2-Tetrachloroethane	ND	ND ND	ND	NO NO	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
i, i, i i i i i i i i i i i i i i i i i		NU	NO.	ND.	
1,1,2-Trichloroethane	ND	ND	MD	ND	
Trichloroethylene	MD	NO	MD	ND	
Toluene	ND	MD	ND	ND	
Vinyl Chloride	22	ND	ND	2	
EDA Mathad Number	494	494	494	434	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Caldwell	Calchell	Calchell	

<sup>(-)</sup> = Leas than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-5 MIDDLE

COMPOUND (micrograms per liter)	04/02/86	01/08/86	DATE	SAMPLED	
(micrograms per titer)	U-1/UZ/00	01/06/66	10/07/43	00/21/03	
Acrolein		ND	ND	ND .	
Acrylonitrile	, ND	HD:	ND	ND	
Benzene	, ND	ND	ND	ND	
Bromodichloromethane	, ND	ND	ND	ND	
Bromoform	, NO	ND	ND	ND	
Bromomethane	. ND	ND	ND	ND	
Oraban Tabanahlanida	<b></b>		110	MD	
Carbon Tetrachloride		NO	ND ND	MD	
Chlorobenzene		ND			
Chloroethane		ND	ND	ND	
2-Chloroethylvinyl ether		ND	ND	ND	
Chloroform		ND	ND	ND	
Chloromethana	. ND	MD	ND	ND	
Dibromochloromethane	. ND	ND	ND	ND	
1,1-Dichloroethame	. ND	MD	ND	ND	
1,2-Dichloroethane		ND	ND	NO	
1,1-Dichloroethylene		MD	ND	ND	
Trans-1,2-Dichloroethylene		6	5		
1.2-Dichloropropene		ND	ND	ND	
1, E brentor opropuler.					
1,3 Dichloropropylene		ND	ND	ND	
Ethylbenzene		ND	ND	ND	
Methylene Chloride	. ND	NO	ND	NO	
1,1,2,2-Tetrachloroethane	. ND	ND	ND	ND	
Tetrachloroethylene	. ND	ND	ND	ND	
1,1,1-Trichloroethane	. ND	ND	ND	ND	
1,1,2-Trichloroethane	. ND	ND	ND	ND	
Trichloroethylene		ND	ND	ND	
Toluene		MD	ND	ND	
Vinyl Chloride		ND	ND	2	
EPA Method Number	. 624	624	624	624	
ETA MELITUU MUMUTTI					
Laboratory	. Brown &	Brown &	Brown &	Brown &	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enelyzed

TABLE C-79

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-6 UPPER

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	04/04/86	01/10/86	10/10/85	07/01/85	07/01/85	
Annalain	No.	40		•••		
Acrolein	ND ND	ND ND	NO	•••	ND	
		טוא 3	ND		ND	
Benzene	ND	_	ND	ND	ND	
	ND	ND	ND	ND	NO	
Bromoform	ND	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	ND	
Chloromethane	ND	ND	NO	ND	ND	
	N	40	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	ND	ND	
1,3-Dichloropropylene	ND	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	7 T	
Methylene Chloride	ND	ND	ND	ND	100	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND ND	
Tetrachloroethylene	ND	ND	ND	ND		
1,1,1-Trichloroethane	ND	NO	ND	ND ND	ND ND	
i, i, i i i i i i i i i i i i i i i i i	NU	NU	NU	NU	NU	
1,1,2-Trichloroethane	ND	ND	ND	NO	ND	
Trichloroethylene	ND	ND	ND	ND	ND	
Toluene	3	7	8	ND	4	
Vinyl Chloride	ND	ND	ND	ND	ND	
EPA Method Number	624	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	McKesson	Scorus &	
	Caldwell	Caldwell	Caldwell	HACCOUNT	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-80

## RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-6 MIDDLE

COMPOUND .			DATE	SAMPLED	
(micrograms per liter)	04/02/86	01/08/86	10/10/85	06/27/85	
Acrolein	NO	ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene	ND	NO	ND	ND	
Bromodichloromethane	ND	ND	GN	NO	
Bromoform	ND	ND	ND	XD.	
Bromomethane	ND	ND	MD	ND	
Carbon Tetrachloride	MD	MD	MD	ND	
Chlorobenzene	ND	NO	MD	ND	
Chloroethane	MD	ND	NO	ND	
2-Chloroethylvinyl ether	ND	ND	NO	NO	
Chloroform	ND	MD	ND	ND	
Chloromethane	NO	NO	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	NO	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	ND	
Trans-1,2-Dichloroethylene	7	5	5	7	
1,2-Dichloropropene	ND	ND	ND	ND	
, ,					
1,3 Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene.	ND	ND	ND	ND	
Methylene Chloride	NO	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachioroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND DN	ND	
i, i, i ii icitoi oecileile:	•	10	NO	NO	
4 4 2-7-6-64		100	110	MD	
1,1,2-Trichloroethane	NO	ND	ND	ND	
Trichloroethylene	ND	ND	ND	ND	
Toluene	NO	ND	ND	ND	
Vinyl Chloride	ND	NO	ND	ND	
The Mark of Mark	404		494		
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Caldweli	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-81

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-7 UPPER

COMPOUND	************		DATE	SAMPLED	
(micrograms per liter)	04/03/86	01/08/86	10/09/85	06/27/85	
Acrolein		ND	ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene		NO	ND	ND	
Bromodichloromethane		ND	ND	ND	
Bromoform		ND	ND	ND	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	MD	ND	
Chlorobenzene		ND	MD	MD	
Chloroethane		ND	MD	MD	
2-Chloroethylvinyl ether		ND	ND	MD	
Chloroform		ND	ND	ND	
Chioromethane		ND	ND	ND	
Dibromochloromethane		ND	ND	ND	
1,1-Dichloroethane		ND	ND	ND	
1,2-Dichloroethane		ND	ND	ND	
1,1-Dichloroethylene		NO	ND	ND	•
Trans-1,2-Dichloroethylene		ND	ND	ND	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3 Dichloropropylene	150	MV.	MD	MD	
Ethylbenzene		ND ND	NED NED	ND	
Methylene Chloride		MD	ND D		
		MD		ND	
1,1,2,2-Tetrachloroethane		****	ND ND	ND	
Tetrachioroethylene		ND ND	NO NO	ND ND	
i, i, i*irichtgroethene	ND	NEU .	NU	NU	
1,1,2-Trichloroethane	МО	ND	ND	ND	
Trichloroethylene	ND	ND	ND	ND	
Toluene	ND	ND	ND	ND	
Vinyl Chloride		ND	ND	ND	
EPA Nethod Number	624	624	624	624	
Laboratory		Brown &	Brown &	Brown &	
LENGT BLUT Y	Caldwell	Calchell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not enalyzed

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TABLE C-82

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-7 MIDDLE

COMPOUND	•••••		DATE	SAMPLED	•••••
(micrograms per liter)	04/03/86	01/09/86	10/09/85	06/27/85	
Acrolein	ND	MO	MD	MD	
Acrylonitrile	ND	ND	MD	NO	
Benzene	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	NO	ND	ND	
Bromomethene	ND	ND	ND	ND	
Carbon Tetrachloride	ND	МО	MD	МО	
Chlorobenzene	ND	NO	ND	ND	
Chioroethane	MO	MO	MO	100	
2-Chloroethylvinyl ether	ND	NO	ND	NO NO	
Chloroform	ND	ND	MD	ND	
Chloromethane	NO	NO	ND ND	ND	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethane	ND	MD	ND	ND	
1,2-Dichloroethane	ND	ND	MD	ND	
1,1-Dichloroethylene	NO	MD	ND	NO	
Trans-1,2-Dichloroethylene	3	2	ND	4	
1,2-Dichloropropene	MD	ND	ND	ND	
1,3 Dichloropropylene	MD	ND	MD	MD	
Ethylbenzene	MD	ND	NO NO	WD	
Methylene Chloride	NO	NO	MD	NO NO	
1,1,2,2-Tetrachloroethane	NO	NO.	ND ND	ND	
Tetrachloroethylene	MO	MD	ND	ND	
1,1,1-Trichloroethane	ND	NO	NO	ND	
1,1,2-Trichloroethane	ND	ND	NO	ND	
Trichloroethylene	ND	ND	NO	ND	
Toluene	NO	MO	NO	ND	
Vinyl Chloride	NO	NO	ND	MD	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calcheil	Calchell	Calchell	Calchell	
	· / · /	AND COMMENT	At Come ! !	Calcuma()	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



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TABLE C-83

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-8 UPPER

COMPOUND (micrograms per liter)	04/05/86	01/10/86	DATE 06/25/85	SAMPLED 06/25/85	••••••
(midio)	0., 0., 0.	.,,,,,,	33, 23, 33	33, 2, 33	
Acrolein	ND	MD	•••	MO	
Acrylonitrile	ND	ND		ND	
Benzene	NO	ND	ND	NO	
Bromodichloromethane	ND	NO	ND	ND	
Bromoform	ND	NO	ND	ND	
Bromomethane	NO	NO	MD	MD	
Carbon Tetrachloride	ND	MD	MD	MD	
Chiorobenzene	NO	MD	MD	ND	
Chloroethane	MD	ND	ND	ND	
2-Chloroethylvinyl ether	MO	NO NO	ND	NO NO	
Chloroform.	NO	WD	NO	NO.	
Chloromethane	ÑĎ	MD	MD	MD	
Citor Camperigues				***	
Dibromochloromethane	ND	ND	MD	ND	
1,1-Dichloroethane	NO	ND	NO	ND	
1,2-Dichloroethame	MD	MD	ND	ND	
1,1-Dichloroethylene	MD	ND	ND	NO	
Trans-1,2-Dichloroethylene	170	200	180	300	
1,2-Dichloropropene	NO	NO	ND	NO	
1,3-Dichloropropylene	NO	MO	MD	ND	
Ethy(benzene	WO.	ND	MO	ND	
Methylene Chloride	670	NG.	160	ND	
1,1,2,2-Tetrachloroethane	MD	<b>XD</b>	NO	MD	
Tetrachioroethylene	NO NO	NO NO	MO	NO NO	
1,1,1-Trichloroethane	MD	NO.	MD	ND	
	•	•	~	NU	
1,1,2-Trichloroethene	ND	ND	ND	ND	
Trichloroethylene	5300	4200	2000	8500	
Toluene	NO	ND	ND	ND	
Vinyl Chloride	NO	ND	ND	ND	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	McKesson	Brown &	
	- · <del>-</del>				

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-84

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-8 MIDDLE

COMPOLNO			DATE	SAMPLED		
(micrograms per liter)	05/08/86	04/02/86	02/13/86	01/09/86	10/10/85	06/25/85
Acrolein	MD	ND	MD	MD	MD	ND
Acrylonitrile	NO.	ND	ND	NO	NO	ND
Benzene	MD	NO	MD	ND	ND	ND
Bromodichloromethane	NO	ND	ND	ND	NO	ND
Bromoform	ND	ND	MD	NO	ND	ND
Bromomethane	ND	ND	NO	ND	MD	MD
Carbon Tetrachloride	MD	ND	MD	MD	ND	ND
Chlorobenzene	NO	NO	ND	ND	ND	ND
Chloroethane	MD	NO	ND	ND	ND	MD
2-Chloroethylvinyl ether	ND	NO	ND	ND	ND	NO
Chloroform	ND	ND	ND	ND	ND	ND
Chloromethane	NO	NO	NO	100	ND	ND
Dibromochloromethane	NO	NO	ND	ND	ND	NO
1,1-Dichloroethane	ND	100	NO	ND	ND	ND
1,2-Dichloroethane	ND	NO.	MD	MD	MD	ND
1,1-Dichloroethylene	ND	ND	ND	ND	MD	ND
Trans-1,2-Dichloroethylene	1	ND ND	MD MD	ND	ND ND	ND ND
1,2-Dichloropropane	ND	NU	ж.	ND	W.	NU
1,3 Dichloropropylene	ND	ND	ND	ND	NO	ND
Ethylbenzene	ND	NO	ND	MD	MD	MD
Methylene Chloride	ND	ND	ND	ND	ND	MD
1,1,2,2-Tetrachloroethane	MD	NO	ND	NO	ND	ND
Tetrachioroethylene	ND	ND	NO	ND	NO	ND
1,1,1-Trichloroethane	NO	ND	MD	MD	MD	NO
1,1,2-Trichloroethane	ND	MD	ND	NO	ND	ND
Trichloroethylene	ND ND	MD	ND	ND ND	ND	ND
Toluene	MD	ND	ND	100	NO.	MD
Vinyl Chloride	ND	NO	MD	ND	MD	ND
EPA Hethod Number	624	624	624	624	624	624
Laboratory	Brown &					
	Calchell	Calchell	Caldwell	Caldwell	Caldwell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

# TABLE C-84 (CONTINUED) RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-8 MIDDLE

	COMPOUND		•••••	DATE	SAMPLED	••••
(	Micrograms per liter)	05/09/85				
Acrol	ein	ND				
Acryl	onitrile	ND				
Benze	ne	ND				
Bromo	dichioromethane	MD				
Bromo	form	ND				
Bromo	methane	ND				
Carbo	n Tetrachlorida	MD				
Chlor	obenzene	MD				
Chlor	oethane	10				
2-Chi	oroethylvinyl ether	MD				
Chlor	oform	ND				
Chlor	omethane	ND				
Dibro	Mochioromethane	MD				
1.1-D	ichloroethene	MD				
1.2-D	chloroethane	ND				
1.1-D	ichloroethylene	NO				
Trans	-1,2-Dichloroethylene	MO				
1,2-0	ichloropropene	ND				
130	ichloropropylene	<b></b>				
Ethyli	benzene	ND ND				
Methy	lene Chloride	ND				
1.5.2	,2-Tetrachloroethane	MD				
Tetra	chioroethylene	NO NO				
1,1,1	·Trichloroethane	ND				
1,1,2	Trichloroethane	MD				
Trich	loroethylene	NO				
Tolue	Ne	ND				
Vinyl	Chloride	NO				
EDA M	nehad Humbaa					
EPA M	Rthod Number	624				
Labor	atory	Brown &				
		Caldwell				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



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RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-9 UPPER

COMPOUND . (micrograms per liter)	04/02/86	01/09/86	10/10/85	SAMPLED 06/27/85	
Acrolein	MD	MD	ND	NO	
Acrylonitrile	IID	ND	ND	NO	
Benzene	ND	NO	MD	ND	
Bromodichloromethane	ND	NO	ND	ND	
Sromoform	ND	NO	ND	ND	
Bromomethane	MO	MD	NO	NO	
Carbon Tetrachloride	MD	MD	ND	ND	
Chlorobenzene	NO	ND	ND	ND	
Chloroethane	NO	NO	NO	ND	
2-Chloroethylvinyl ether	NO	ND	ND	ND	
Chloroform	ND	MD	ND	MD	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	NO	ND	ND	ND	
1,1-Dichloroethane	ND	ND	NO	ND	
1,2-Dichloroethans	MO	MD	ND	ND	
1,1-Dichloroethylene	NO	ND	ND	ND	
Trans-1,2-Dichloroethylene	140	ND	NO	NO	
1,2-Dichloropropene	NO	ND	ND	NO	
1,3 Dichloropropylene	ND	ND	ND	NC	
Ethylbenzene	ND	NO	ND	ND	
Methylene Chloride	ND	ND	MD	ND	
1,1,2,2-Tetrachloroethane	ND	ND	MD	NO	
Tetrachloroethylene	MD	NO	NO	· ND	
1,1,1-Trichloroethane	NO	ND	NO	ND	
1,1,2-Trichloroethane	ND	MD	ND	ND	
Trichloroethylene	ND	MD	ND	NO	
Toluene	HD	ND	MD	ND	
Vinyl Chloride	ND	WD	ND	NO	
EPA Hethod Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
•	Calchell	Calchiell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-86

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-9 MIDDLE

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/02/86	01/09/86	10/10/85	06/27/85	
Acrolein	ND	NO	MD	ND	
Acrylonitrile	ND	ND	NO	MD	
Benzene	ND	MD	NO	NO	
Branadichloramethane	ND	MO	NO	NO	
Bromoform	ND	140	ND	NO	
Bromomethene	ND	ND	ND	ND	
Carbon Tetrachioride	MD	MD	MD	MD	
Chlorobenzene		ND	ND	NO	
Chloroethene		MD	ND	ND	
2-Chioroethylvinyl ether		ND	ND	NO	
Chioroform		ND	ND	MD	
Chloromethane		ND	ND	ND	
Dibrosochiorosethene	NO.	160	ND	MD	
1,1-Dichlorgethane		100	140	100	
1.2-Dichloroethene		***	100	100	
1,1-Dichloroethylene		ND	100	100	
Trans-1,2-Dichloroethylene		10	ND	100	
1.2-Dichloropropene		NO NO	100	100	
1,2-01cm tor oproperse					
1,3 Dichloropropylene	ND	ND	ND	MD	
Ethylbenzene		NO	ND	ND	
Methylene Chloride	, ND	100	ND	NO	
1,1,2,2-Tetrachloroethane		MD	NO	NO	
Tetrachioroethylene		NO	NO	ND	
1,1,1-Trichloroethene	, ND	ND	ND	NO	
1,1,2-Trichloroethene	. MD	ND	ND	NO	
Trichloroethylene		100	MD	NO	
Toluene		ND	MD	ND	
Vinyl Chloride		ND	ND	NO	
EPA Nethod Number	. 624	624	624	624	
Laboratory	·	Brown &	Brown &	Brown &	
	Celchiell	Caldwell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-97

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-10 UPPER

COMPOUND .			DATE	SAMPLED	
(micrograms per liter)	04/03/86	01/08/86	10/09/85	06/25/85	
Acrolein	MD	ND	ND	ND	
Acrylonitrile	ND	MD	MD	ND	
Benzene	ND	MD	ND	ND	
Bromodichloromethane	ND	ND	ND	NO	
Bromoform	ND	MD	NO	NO	
Bromomethane	ND	ND	ND	NO	
Carbon Tetrachloride	MD	NO	MD	ND	
Chlorobenzene	MO	MD	MD	NO NO	
Chloroethane	ND	NO NO	MO	MO	
2-Chloroethylvinyl ether	ND	ND	, MD	ND	
Chloroform	ND	MD	ND	ND	
Chloromethane	NO	ND	ND	NO	
Dibromochloromethane	MD	ND	MO	ND	
1,1-Dichloroethane	ND	ND	ND	NO	
1,2-Dichloroethane	NO	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	MD	MO	
Trans-1,2-Dichloroethylene	4	4	5	NO	
1,2-Dichloropropene	MD	MD	NO	NO	
1,3 Dichloropropylene	MD	ND	MD	NO	
Ethylbenzene	NO	ND	ND	ND	
Methylene Chloride	ND	ND	NO	NO	
1,1,2,2-Tetrachloroethane	MD	MD	MD	MD	
Tetrachloroethylene	ND	ND	ND	MD	
1,1,1-Trichloroethene	NO	ND	NO	MO	
1,1,2-Trichloroethane	WD	ND	MD	NO	
Trichloroethylene	NO NO	ND	ND	ND	
Toluene	NO	ND	NO	ND	
Vinyl Chloride	ND	ND	ND	NO NO	
,.					
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Caldrell	Caldwell	Caldwell	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-88

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-10 MIDDLE

COMPOUND (micrograms per liter)	04/03/86	01/08/86	DATE 10/09/85	SAMPLED 06/25/85	•••••
Acrolein	ND	WD	ND.	ND	
Acrylanitrile	NO NO	MD	ND	NO	
Benzene		ND	MD	ND	
Bromodich Loromethane	ND	MD	ND.	NO	
Bromoform	ND	ND	MD	ND	
Bromomethane	100	ND	MO	ND	
			-	•••	
Carbon Tetrachloride	MD	ND	MD	ND	
Chlorobenzene	ND	HD	NO	MD	•
Chioroethane	NO	MD	MD	NO	
2-Chloroethylvinyl ether	ND	MD	ND	ND	
Chloroform	ND	ND	ND	NO	
Chloromethane	ND	MD	ND	ND	
Dibromochloromethane	ND	MD	MD	ND	
1,1-Dichloroethane		MD	ND	ND	
1,2-Dichloroethane	MD	MD	MD	ND	
1,1-Dichloroethylene		ND	ND	NO	
Trans-1,2-Dichloroethylene		ND	MD	MO	
1,2-Dichloropropene		ND	ND	NO	
1,3 Dichloropropylene		MD	NO	NO	
Ethylbenzene		ND	ND	ND	
Methylene Chloride		ND	NO	NO	
1,1,2,2-Tetrachloroethane		ND	ND	NO	
Tetrachloroethylene		NO	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane		ND	ND	ND	
Trichloroethylene		ND	MD	NO	
Toluene	. ND	ND	ND	ND	
Vinyl Chloride	110	160	HD	NO	
EBA Machael Mushan	624	624	43/	434	
EPA Hethod Number		Brown &	624 Bann 1	624 Brown &	
Laboratory			Brown &		
	Calchell	Caldwell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE C-89

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-11 UPPER

COMPOUND		• • • • • • • • • • • • • • • • • • • •	DATE	SAMPLED	
(micrograms per liter)	04/05/86	01/09/86	10/10/85	09/05/85	
Acrolein	MD	ND	ND	ND	
Acrylanitrile	MD	ND	ND	MD	
Benzene	ND	ND	ND	MD	
Bromodichloromethane	ND	NO	ND	MD	
Bromoform	ND	ND	ND	MD	
Bromomethane	ND	MD	NO	MO	
Carbon Tetrachloride	ND	ND	MD	MD	
Chlorobenzene	MD	MD	ND	MD	
Chioroethene	ND	NO	MD	NO	
2-Chloroethylvinyl ether	MD	NO	MD	ND	
Chloroform	ND	NO	ND	ND	
Chloromethane	MD	ND	WD	MO	
Dibromoch Loromethane	NO	ND	MD	ND	
1,1-Dichloroethene	MD	MD	MO	ND	
1,2-Dichloroethene	ND	ND	ND	WD	
1,1-Dichloroethylene	ND	ND	ND	MD	
Trans-1,2-Dichloroethylene	NO	MD	MD	ND	
1,2-Dichloropropene	MD	ND	ND	ND	
1,3 Dichloropropylene	NO	ND.	MD	NO	
Ethylbenzene	NO.	MD	MD	MD	
Methylane Chloride	NO	MD	NO	15	
1,1,2,2-Tetrachloroethane	ND	MD	ND.	ND	
Tetrachioroethylene	HD	MD	ND	ND	
1,1,1-Trichloroethane	ND	NO	ND	NO	
1,1,2-Trichloroethame	NO	ND	100	ND	
Trichloroethylene	100	100	MD	NO	
Toluene	NO	) NO	70	64	
Vinyl Chloride	NO	ND	ND	NO	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Caldwell	Calchell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-90

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-11 MIDDLE

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	04/02/86	01/09/86	10/10/85	09/05/85	08/28/85	•••••
	- 1, 0	.,,.,,				
Acrolein	ND	NO	MD	NO	MD	
Acrylonitrile	NO	ND	NO	ND	ND	
Benzene	ND	MD	ND	ND	ND	
Bromodichioromethane	ND	ND	ND	ND	ND	
Bromoform	NO	MD	ND	ND	ND	
Bromomethane	MO	MD	NO	ND	ND	
Carbon Tetrachloride	NO	MD	MD	MO	ND	
Chlorobenzene	MO	MD	NÔ	ND	ND	
Chloroethane	NO NO	NO NO	ND	MD	MD	
2-Chloroethylvinyl ether	NO	140	MD	ND	ND	
Chloroform.	ND	MO	ND	MD	MD	
Chloromethane	ND	ND	MD	ND	ND	
		•••		.,		
Dibromochloromethane	NO	ND	MO	ND	ND	
1,1-Dichloroethane	MD	ND	ND	NO	ND	
1,2-Dichloroethane	ND	ND	ND	ND	NO	
1,1-Dichloroethylene	ND	ND	MD	NÖ	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	ND	ND	
1,2-Dichtoropropene	ND	ND	NO	ND	ND	
4.7 Bight anguant and	110	MD	MD	MD	ND	
1,3 Dichloropropylene	ND NO	ND ND	ND	MD	ND	
Ethylbenzene	MD MD	MD MD	MD	MD	ND	
Methylene Chloride	***	NO NO	ND CM	MD	ND	
	ND WO	MD	ND	NEO	ND	
Tetrachloroethylene	MD MD	MD	MD	MD	ND ND	
i, i, i-iricitoroethane	N.	<b>M</b> D	NU	(AD	NO	
1,1,2-Trichloroethane	MD	MD	ND	ND	ND	
Trichloroethylene	MO	ND	ND	ND	NO	
Toluene	NO	NO	ND	₩D	ND	
Vinyl Chloride	MD	ND	NO	ND	ND	
EPA Method Number	624	624	624	624	624	
	Brown &	Brown &	Brown &	Brown &	Brown &	
Laboratory	Calcheli	Saldwell	Caldwell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-91

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-12 UPPER

COMPOUND			DATE	SAMPLED
(micrograms per liter)	04/06/86	01/09/86	12/12/85	
Acrolein	MD	ND	MD	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	NO	MD	ND	
Bromoform	NO	ND	ND	
Bromomethane	MD	ND	MO	
Carbon Tetrachioride	MD	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	ND	ND	
2-Chioroethylvinyl ether	ND	ND	NO	
Chloroform	ND	MD	ND	
Chloromethane	ND	ND	ND	
Dibromochioromethene	ND	ND	ND	
1,1-Dichloroethane	ND	NO	ND	
1,2-Dichloroethane	ND	NO	MD	
1.1-Dichloroethylene	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	62	ND	
1,2-Dichloropropene	ND	ND	ND	
4.7.64.4				
1,3 Dichloropropylene	ND ND	ND ND	NO NO	
Methylene Chloride	ND	MD MD	ND ND	
1,1,2,2-Tetrachloroethane	NO NO	ND ND	ND	
Tetrachloroethylene	ND	NO	MD	
1,1,1-Trichloroethane	56	NO	NO	
4 4 9 9 1 1 1 2 2 2 2 2 2				
1,1,2-Trichloroethane	NO	ND	NO MO	
Trichloroethylene	NO	110	<b>160</b>	
Toluene	NO NO	NG ND	ND ND	
THINK GILOTIOE	NU N	AU.	<i>***</i>	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Caldwell	Calchell	Calchell	

<sup>(</sup>  $\dot{}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $\dot{}$  ) = Not analyzed

TABLE C-92

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
P-12 MIDDLE

COMPOUND		• • • • • • • • • • • • • • • • • • • •	DATE	SAMPLED
(micrograms per liter)	04/06/86	01/09/86	10/10/85	
Acrolein	NO	ND	NO	
Acrylonitrile	ND	ND	ND	
Benzene	ND	ND	ND	
Bromodichloromethane	NO	ND	ND	
Bromoform	NO	ND	ND	
Bromomethane	ND	ND	NO	
Carbon Tetrachloride	ND	MD	ND	
Chlorobenzene	ND	NO	ND	
Chloroethane	ND	NO	ND	
2-Chloroethylvinyl ether	ND	NO	NO	
Chloroform	ND	NO	MD	
Chloromethane	ND	ND	ND	
GITTO COMPANIENCE CONTRACTOR CONT	•••			
Dibromochloromethane	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	NO	ND	
1,1-Dichloroethylene	ND	ND	NO	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropene	ND	MD	ND	
1,3 Dichloropropylene	ND	ND	ND	
Ethylbenzene	ND	ND	ND	
Methylene Chloride	ND	ND	NO	
1,1,2,2-Tetrachiordethane	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethane	ND	NO	ND	
1,1,2-Trichloroethane	MO	NO	MD	
Trichloroethylene		NO	ND	
Toluene		ND	ND	
Vinyl Chloride		ND	NO	
vicips with two	•	70	No	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Calcheil	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-93

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-13 UPPER

Acrolein	
Acrylonitrile	
Benzere	
Bromoform	
Stromoform.	
Carbon Tetrachloride	
Carbon Tetrachloride.         ND         ND           Chlorobenzene.         ND         ND           Chloroethylvinyl ether.         ND         ND           2-Chloroethylvinyl ether.         ND         ND           Chloroform.         ND         ND           Chloroethane.         ND         ND           Chloromochloromethane.         ND         ND           1,1-Dichloromethane.         ND         ND           1,2-Dichloroethylene.         ND         ND           1,1-Dichloroethylene.         ND         ND           1,2-Dichloropropane.         ND         ND           1,2-Dichloropropane.         ND         ND           1,3 Dichloropropylene.         ND         ND           MEthylbenzene.         ND         ND           Methylene Chloride.         ND         ND           ND         ND         ND           1,1,2-Trichloroethane.         ND         ND           1,1,1-Trichloroethane.         ND         ND           ND         ND         ND           ND         ND         ND           ND         ND         ND           ND         ND         ND	
Chlorobenzene	
Chlorobenzene	
ND	
2-Chloroform	
Chloroform	
Dibromochloromethane	
1,1-0ichloroethane	
1,1-0ichloroethane	
1,2-Dichloroethylene	
1,1-Dichloroethylene	
Trans-1,2-Dichloroethylene ND	
1,2-Dichloropropene	
1,3 Dichloropropylene	
Ethylbenzene	
Methylene Chloride	
1,1,2,2-Tetrachloroethane ND ND Tetrachloroethylene ND ND 1,1,1-Trichloroethane ND ND  1,1,2-Trichloroethane ND ND Trichloroethylene ND ND ND Toluene ND ND ND Vinyl Chloride ND ND ND  EPA Method Number 624 624 Laboratory Brown & Brown &	
Tetrachloroethylene	
1,1,1-Trichloroethane	
1,1,2-Trichloroethane	
Trichloroethylene	
Trichloroethylene	
Toluene	
Vinyl Chloride	
Laboratory Brown & Brown &	
Laboratory Brown & Brown &	
Caldwell Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-94

1

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-1

COMPOUND		••••••	DATE	SAMPLED
(micrograms per liter)	05/08/86	02/13/86	05/09/85	
Acrolein	NO	MD .	ND	
Acrylonitrile	ND	ND	ND	
Benzene	MO	ND	ND	
Bromodichloromethane	ND	ND	NO	
Bromoform	MD	ND	ND	
Bromomethane	MD	ND	ND	
Di Cimuni Lina III.		,,,,		
Carbon Tetrachioride	ND	ND	ND	
Chlorobenzene	ND	ND	ND	
Chloroethane	ND	NO	MD	
2-Chloroethylvinyl ether	MD	ND	ND .	
Chloroform.	ND	ND	ND	
Chloromethane	MD	MD	ND	
		,		
Dibromochloromethane	MD	MD	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	
1,1-Dichloroethylene	ND	ND	ND	
Trans-1,2-Dichloroethylene	ND	ND	ND	
1,2-Dichloropropane	ND	MD	ND	
1,3 Dichloropropylene	NO	ND	ND	
Ethylbenzene		ND	ND	
Methylene Chloride		ND	ND	
1,1,2,2-Tetrachloroethane		ND	ND	
Tetrachloroethylene		ND	ND	
1,1,1-Trichloroethane	NO	ND	ND	
1,1,2-Trichloroethane	MO	MD	ND	
Trichloroethylene		ND	ND	
•		ND	ND ON	
Toluene		ND	ND QN	
Vinyl Chloride	, ND	NU	NU	
EPA Method Number	624	624	624	
Laboratory		Brown &	Brown &	
,	Calchell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-2

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COMPOUND		• • • • • • • • • • • • • • • • • • • •	DATE	SAMPLED
(micrograms per liter)	05/08/86	02/13/86	05/09/85	
Acrolein	. ND	MD	ND	
Acrylonitrile		MD	MD	
Benzene	. NO	MD	MD	
Bromodichloromethane	. NO	NO	MD	
Bromoform	. ND	ND	MO	
Bromomethane	. NO	ND	MD	
Carbon Tetrachlorida	. 110	WD	MO	
Chlorobenzene			ND ND	
Chloroethane	. 100	ND		
2-Chioroethylvinyl ether	. 140	ND	HO	
		ND	NO	
Chloroform		ND	ND	
Chloromethane	. ND	ND	MD	
Dibromochloromethane	. ND	ND	ND	
1,1-Dichloroethane		ND	ND	
1,2-Dichloroethane	. NO	MO	MD	
1,1-Dichloroethylene.,	MD	MD	MD	
Trans-1,2-Dichloroethylene		ND	MD	
1,2-Dichloropropane		WD	ND	
·/	, ,,,			
1,3 Dichloropropylene		NO	ND	
Ethylbenzene		ND	ND	
Methylene Chloride		ND	NO	
1,1,2,2-Tetrachloroethane	. ND	ND	NO	
Tetrachloroethylene	. NO	ND	ND	
1,1,1-Trichloroethane	. 10	MO	ND	
1,1,2-Trichloroethane	. MD	MD	MD	
Trichloroethylene	ND	100 100	NO NO	
Toluene		100 100	NO NO	
Vinyl Chloride	, MO	MD.	NO NO	
· · · · · · · · · · · · · · · · · · ·	• •••	NU.	NO.	
EPA Method Number		624	624	
Laboratory	. Brown &	Brown &	Brown &	
	Calchell	Calchell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-96

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
EPA-3

COMPOUND	DATE			SAMPLED		
(micrograms per liter)	05/08/86	02/13/86	05/09/85			
Acrolein	MD	ND	ND			
Acrylonitrile	ND	ND	NO NO			
Benzene	MD	ND	ND			
Bromodichloromethane	NO	ND	MD			
Bromoform	ND	ND	MD			
Bromomethane	ND	NO	MD			
Carbon Tetrachioride	MD	ND	140			
Chlorobenzene	NO.	NO NO	MD MD			
Chloroethane	ND	ND	NO NO			
2-Chloroethylvinyl ether	ND	MD	NO NO			
Chloroform	ND	ND	NO NO			
Chloromethane	NO NO	MD	MD MD			
	NO	NU	<b></b>			
Dibromochloromethane	ND	ND	ND			
1,1-Dichloroethane	ND	ND	ND			
1,2-Dichloroethane	ND	ND	ND			
1,1-Bichloroethylene	ND	ND	ND			
Trans-1,2-Dichloroethylene	ND	ND	ND			
1,2-Dichloropropene	NO	NO	ND			
1,3 Dichloropropylene	ND	ND	ND			
Ethylbenzene	ND ND	ND	ND			
Hethylene Chloride	NO	NO NO	MD			
1,1,2,2-Tetrachloroethane	NO	ND	ND			
Tetrachloroethylene	ND ND	ND	ND			
1,1,1-Trichloroethane	NO NO	ND	ND			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
1,1,2-Trichloroethane	ND	MD	ND			
Trichloroethylene	ND	ND	ND			
Toluene	MD	ND	ND			
Vinyl Chloride	ND	ND	NO			
EPA Method Number	624	624	624			
Laboratory	Brown &	Brown &	Brown &			
	Calchell	Calchell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enelyzed

TABLE C-97

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-4

1

MC	COMPOUND .	DATE						
Acrylonitrile	(micrograms per liter)	05/08/86	02/13/86	05/09/85				
Bermandich toromethane	Acrolein	MD	NO <sub>.</sub>	MD				
Bromoform		MD	ND	ND				
Bromostrane				1				
Bromomethame		•						
Carbon Tetrachloride         MD         ND         ND           Chlorobenzene         MD         ND         ND           Chloroethylvinyl ether         ND         ND         ND           Chloroform         ND         ND         ND           Chloroform         ND         ND         ND           Chloromethane         ND         ND         ND           Local Control Control Control         ND         ND         ND           Local Control Control Control         ND         ND         ND           Local Control								
Chlorobenzere	Bromomethane	NO	NO	NO				
Chloroethane	Carbon Tetrachloride	ND	ND	ND				
2-Chlorosthylvinyl ether	Chiorobenzene	ND	ND	ND				
2-Chlorosthylvinyl ether	Chloroethane	ND	ND	ND				
Dibromochicromethane	2-Chloroethylvinyl ether	ND	ND	ND				
Dibromochloromethane	Chiaroform	MD	ND	ND				
1,1-Dickloroethere	Chloromethane	MD	ND	ND				
1,1-Dickloroethere	Ni hromocki ovometkane	<b>M</b> O	NO.	MO				
1,2-Dichloroethylere								
1,1-Dichloroethylene								
Trans-1,2-Dichloroethylene       ND       ND       ND         1,2-Dichloropropene       ND       ND       ND         1,3 Dichloropropylene       ND       ND       ND         Ethylbenzene       ND       ND       ND         Methylene Chloride       ND       ND       ND         1,1,2,2-Tetrachloroethane       ND       ND       ND         Tetrachloroethylene       ND       ND       ND         1,1,1-Trichloroethane       ND       ND       ND         1,1,2-Trichloroethane       ND       ND       ND         Toluene       ND       ND       ND         ND       ND       ND       ND         Vinyl Chloride       ND       ND       ND         EPA Method Number       624       624       624         Laboratory       Brown &								
1,2-Dichloropropene								
1,3 Dichloropropylene       ND       ND       ND         Ethylbenzene       ND       ND       ND         Hethylene Chloride       ND       ND       ND         1,1,2,2-Tetrachloroethane       ND       ND       ND         Tetrachloroethylene       ND       ND       ND         1,1,1-Trichloroethane       ND       ND       ND         Trichloroethylene       ND       ND       ND         Toluene       ND       ND       ND         Vinyl Chloride       ND       ND       ND         EPA Method Number       624       624       624         Laboratory       Brown & Brown								
Ethylenzene	·/- Diditorop open							
Methylene Chloride								
1,1,2,2-Tetrachloroethane	Ethylbenzene							
Tetrachloroethylene								
1,1,1-TrichloroethaneND ND ND ND  1,1,2-TrichloroethaneND ND ND ND TrichloroethyleneND ND N								
1,1,2-TrichloroethaneND ND ND ND TrichloroethyleneND ND N								
Trichloroethylene	1,1,1-Trichloroethane	ND	ND	ND				
Trichloroethylene	1.1.2-Trichloroethane	NO	MO	NO				
Toluene	Trichloroethylene			NO				
Vinyl Chloride		MD	ND	ND				
Laboratory Brown & Brown & Brown &	Vinyl Chloride	NO	ND	ND				
Laboratory Brown & Brown & Brown &	EPA Nethod Number	624	624	624				
• • • • • • • • • • • • • • • • • • • •								

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 1

	COMPOUND .			DATE	SAMPLED	
	(micrograms per liter)	05/08/86	02/13/86	05/09/85		
Ac	rolein	ND	ND	ND		
Ac	rylonitrile	ND	MD	ND		
₿ <b>e</b>	nzene	ND	ND	ND		
	omodichloromethane	ND	ND	ND		
	omoform	MD	ND	ND		
Br	omomethane	MD	NO	MD		
Ca	rbon Tetrachloride	NO	ND	MD		
Ch	lorobenzene	ND	ND	ND		
	loroethane	ND	ND	ND		
	Chloroethylvinyl ether	MD	NO	MO		
	loroform	MD	MD	ND		
Ch	loromethane	ND	NO	ND		
Di	bromochloromethane	NO	ND	ND		
	1-Dichloroethane	MD	ND	ND		
	2-Dichloroethane	ND	MD	MD		
1.	1-Dichloroethylene	ND	ND	ND		
Tr	ans-1,2-Dichloroethylene	ND	NO	ND		
1,	2-Dichloropropene	NO	ND	ND		
	3 Dichloropropylene	NO	ND	NO		
Et	hylbenzene	ND	ND	ND		
Me	thylene Chloride	ND	ND	ND		
	1,2,2-Tetrachloroethane	NO	ND	ND		
	trachloroethylene	ND	ND	ND		
1,	1,1-Trichloroethane	ND	ND	ND		
,	1,2-Trichloroethane	luo.	Ma.	WB.		
	ichloroethylene	ND	ND	ND		
		ND	ND	ND		
	luene	NO	MD	MD		
¥1.	myt chtorique	NO	ND	ND		
	A Method Number	624	624	624		
La	boratory	Brown &	Brown &	Brown &		
		Caldwell	Caldwell	Caldwell		

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

TABLE C-99

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 2

COMPOUND	DATE			SAMPLED		
(micrograms per liter)	05/08/86	02/13/86	05/09/85	was the arractions and account		
Acrolein	ND	ND	ND			
Acrylonitrile	ND	ND	NO			
Benzene	ND	ND	ND			
Bromodichloromethane	ND	ND	ND			
Sromoform	ND	ND	ND			
Bromomethane	ND	ND	MD			
Carbon Tetrachloride	ND	NO	MD			
Chiorobenzene	ND	ND	ND			
Chloroethane	MD	MD	ND			
2-Chloroethylvinyl ether	ND	ND	ND			
Chloroform	ND	ND	NO			
Chloromethane	ND	NO	ND			
Dibromoch Loromethane	ND	ND	NO			
1,1-Dichloroethane	ND	ND	ND			
1,2-Dichloroethane	NO	ND	ND			
1,1-Dichloroethylene	MD	ND	ND			
Trans-1,2-Dichloroethylene	ND	ND	NO			
1,2-Dichloropropene	110	ND	ND			
1,3 Dichloropropylene	МО	ND	ND			
Ethylbenzene	NO NO	MO	NO NO			
Methylene Chloride	100	NO NO	NO			
1,1,2,2-Tetrachloroethane	NO NO	NO	ND ND			
Tetrachioroethylene	NO.	NO NO	ND			
1,1,1-Trichloroethane	110	NO.	MD			
i, i, i i i i i i i i i i i i i i i i i	NO.	N.	•			
1,1,2-Trichloroethane	NO	NO	ND			
Trichloroethylene	ND	ND	ND			
Toluene	ND	ND	NO			
Vinyl Chloride	NO	ND	ND			
EPA Method Number	624	434	624			
	:	624 Brown &				
Laboratory	Brown &	Brown & Calchell	Brown &			
	Calchell	CELCHIPIL	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



### TABLE C-100

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 12

COMPOUND .	DATE			SAMPLED	***************************************
(micrograms per liter)	05/08/86	02/13/86	05/09/85		
Acrolein	ND	NO	ND		
Acrylonitrile	ND	ND	ND		
Benzene	ND	ND	ND		
Bromodichloromethane	NO	ND	ND		
Bromoform	ND	ND	ND		
Bromomethane	ND	ND	ND		
Carbon Tetrachloride	MD	ND	ж		
Chlorobenzene	ND	ND	MD		
Chloroethane	ND	MD	MD		
2-Chloroethylvinyl ether	ND	MD	ND		
Chloroform	MD	ND	MD		
Chloromethane	NO	ND	ND		
<b></b>					
Dibromochloromethane	HD	ND	MD		
1,1-Dichloroethane	NO	MD	ND		
1,2-Dichloroethane	ND	ND	ND		
1,1-Dichloroethylene	NO	ND	ND		
Trans-1,2-Dichloroethylene	NO	ND	ND		
1,2-Dichioropropene	NO	140	160		
1,3 Dichloropropylene	MD	MD	ND		
Ethylbenzene	ND	ND	ND		
Methylene Chloride	MD	MD	ND		
1,1,2,2-Tetrachloroethane	ND	ND	ND		
Tetrachloroethylene	NO	MD	ND		
1,1,1-Trichloroethane	ND	ND	NO		
1,1,2-Trichloroethane	MD	100	100		
Trichloroethylene	160	ND ND	100		
Toluene	NO NO	ND ND	ND		
Vinyl Chloride	ND	100 100	MD		
Tillyt Gitter (Gett	ND.	,,,,	NO.		
EPA Nethod Number	624	624	624		
Laboratory	Brown &	Brown &	Brown &		
	Caicheil	Calchell	Calchell		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enelyzed



TABLE C-101

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #1

COMPOLIND			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/03/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	ND	ND	MD	ND	ND	ND
Acrylonitrile	NO	MO	ND	MO	ND	NO
Benzene	NO	NO	NO	MD	MD	ND
Bromodichloromethane	ND	MO	MD	ND	MD	MD
Bromoform	WD	ND	160	MD	NO NO	MO
Bromomethane	NO NO	ND	ND	NED	MD	MD
	-	•			***	NU
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	WD	ND	100	ND	27
Chloroethane	ND	ND	NO	MD	NO	ND
2-Chloroethylvinyl ether	NO	ND	ND	NO	ND	ND
Chloroform	ND	59	ND	ND	ND	ND
Chloromethane	ND	NO	ND	ND	ND	ND
<b>511</b>	***					
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	NO	ND
1,1-Dichloroethylene	ND	ND	ND	MD	ND	15
Trans-1,2-Dichloroethylene	24000	89	18000	9000	10000	7500
1,2-Dichloropropene	NO	ND	ND	ND	ND	ND
1,3-Dichloropropylene	NO	ND	ND	ND	ND	ND
Ethylbenzene	MD	MD	100	ND	MD	66
Methylene Chloride	ND	ND	ND	1200	NO	ND
1,1,2,2-Tetrachloroethane	ND	MD	ND	ND	ND	ND
Tetrachloroethylene	220	210	250	100	ND	83
1,1,1-Trichloroethane	ND	89	50	50	ND	23
1 4 2 Paichleanathan	***	2/000		MA	440	445
1,1,2-Trichloroethane	MD E300	24000	ND 2000	ND (200	NO 5700	ND 1000
Trichloroethylene	5200	ND	7000	4200	5700	1000 250
Toluene	NO	ND 1700	450	200	ND REA	
Vinyl Chloride	ND	1300	1400	1600	850	2800
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
	Caldwell	Calchell	Caldwell	Calchell	Caldwell	Calchell

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE C-102

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
FRENCH DRAIN #2

and the same of th			DATE	SAMPLED		
COMPOUND	05/07/86	04/03/86	03/12/86	02/12/86	01/11/86	12/11/85
(micrograms per liter)	03/01/00	04,00,00				
		AND.	ND	ND	NED	ND
Acrolein	ND	ND ND	ND ND	XD	MD	ND
Acrylonitrile	NO		10	ND	MO	MD
Benzene	NO	NO NO	MD	100	NO NO	ND
Bromodichloromethane	ND	NO	ND ND	100	NO	MD
Brompform	ND	NO		MD.	MD	MD
Bromomethane	MD	ND	MD	NO	, and	
				MD	NO	ND
Carbon Tetrachloride	ND	ND	ND	NO NO	NO NO	ND
Chlorobenzene	ND	ND	ND			ND ND
Chloroethane	NO	ND	ND	ND	NO	NO NO
2-Chloroethylvinyl ether	NO	ND	ND	ND	NO	WO
Chloroform	ND	ND	NO	ND	NO	
Chloromethane	ND	ND	ND	ND	ND	ND
nibromochloromethane	MD	NED	ND	ND	ND	ND
1.1-Dichloroethane	ND	ND	ND	ND	ND	NO
1.2-Dichloroethane	ND	MD	ND	ND	ND	ND
1.1-Dichloroethylene	MD	ND	ND	ND	NO	38
	1700	1400	2500	550	11000	1100
Trans-1,2-Dichloroethylene	MD	ND	MD	ND	NO	ND
1,2-Dichloropropane	•					
	NO	ND	MÖ	MO	NO	ND
1,3 Dichloropropylene	NO NO	ND	350	ND	ND	ND
Ethylbenzene	NO NO	NO	ND	750	ND	ND
Hethylane Chloride	ND ND	ND	NO.	ND	ND	ND
1,1,2,2-Tetrachloroethane		MD	NO.	NO	300	ND
Tetrachioroethylene	ND	MO	MD	100	57	38
1,1,1-Trichloroethane	ND	<b></b>			•	
4 4 6 6-1-1-1	MD	830	MD	MD	ND	ND
1,1,2-Trichioroethane	1800	WD	700	1600	4900	1400
Trichloroethylene		NO NO	ND.	ND	ND	ND
Toluene	NO	ND	NO NO	ND	850	36
Vinyl Chloride	ND		<del>110</del>	Ny		•
	424	624	624	624	624	624
EPA Method Number	624	Brown &	Brown &	Brown &	Brown &	Brown &
Laboratory	Brown &		Calchell	Calchell	Calchell	Caldwell
	Calchell	Caldwell	CELONELL	Caramer.	30.000	y

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

HARGIS + ASSOCIATES, INC.

TABLE C-102(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM FRENCH DRAIN #2

COMPOUND (micrograms per liter)	11/07/85	10/11/85	DATE 08/25/85	SAMPLED 06/30/85	
			•		
Acrolein	ND	ND	MD	NO	
Acrylonitrile	ND	MD	ND	ND	
Benzene	NO	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND	MD	ND	
Bromomethane	ND	MD	NO	ND	
Carbon Tetrachloride	MD	ND	MD	NO	
Chiorobenzene	ND	MD	WO	ND	
Chioroethane	ND	ND	MD	MD	
2-Chloroethylvinyl ether	ND	NO	MD	NO NO	
Chloroform.	NO	MD	ND	NO NO	
Chloromethane	NO NO	MO	NO.	NO NO	
				~~	
Dibromochloromethane	ND	ND	ND	ND	
1,1-Dichloroethame	ND	ND	CM	ND	
1,2-Dichloroethane	NO	ND	ND	ND	
1,1-Dichloroethylene	ND	NO	ND	ND	
Trans-1,2-Dichloroethylene	2000	1800	670	2200	
1,2-Dichloropropane	NO	ND	ND	NO	
1,3 Dichloropropylene	ND	MD	MD	ND	
Ethylbenzene	ND	ND	MD	NO	
Methylene Chioride	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND ND	ND	MD	ND	
Tetrachloroethylene	MO	MD	NO	NO	
1,1,1-Trichloroethane	30	20	10	ND	
4.4.9 Valablassabass					
1,1,2-Trichloroethane	NO 4700	ND	NO	ND	
Trichloroethylene	1700	1800	2400	1200	
Toluene	ND	20 570	NO	ND	
Vinyl Chloride	460	530	ND	60	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
•	Calcheell	Calchell	Calcheell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE C-103

#### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM DOCK 17 WELL

COMPOUND .			DATE	SAMPLED	
(micrograms per liter)	04/08/86	10/09/85	06/28/85		
Acrolein	MD	ND	МО		
Acrylonitrile	MO	ND	ND		
Benzene	NO	ND	MD		
Bromodichloromethane	ND	MD	ND		
Bromoform	ND	ND	MD		
Bromomethane	ND	NO	NO		
Carbon Tetrachloride	МО	ND	ND		
Chlorobenzene	ND	ND	ND		
Chloroethane	HD	MO	NO NO		
2-Chloroethylvinyl ether	MD	NO NO	ND		
Chloroform	ND	ND	ND		
Chloromethane	ND	MD	ND		
witor was transfer as a second as a		MC .			
Dibromochloromethane	ND	ND	MD		
1,1-Dichloroethane	ND	ND	NO		
1,2-Dichloroethene	NO	ND	ND		
1,1-Dichloroethylene	ND	ND	ND		
Trans-1,2-Dichlorosthylene	3	2	4		
1,2-Dich(oropropene	ND	ND	ND		
1,3 Dichloropropylene	MD	ND	MD		
Ethylbenzene	ND	ND	NO		
Methylene Chloride	ND	MD	NO.		
1,1,2,2-Tetrachioroethane	ND	MD	ND		
Tetrachloroethylene	MD	ND	ND		
1,1,1-Trichloroethane	MD	160	MD		
Ty Ty To Tollton Octiones		NU	NU		
1,1,2-Trichloroethane	ND	ND	MD		
Trichloroethylene	MD	1	2		
Toluene	ND	ND	NO		
Vinyl Chloride	ND	NO	ND		
EPA Method Number	624	624	624		
Laboratory	Brown &	Brown &	Brown &		
	Calcheil	Calchell	Caldwell		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-104

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM DRAIN PIPE

COMPOLNIO			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/03/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	ND	ND	MD	ND	ND	ND
Acrylonitrile	NO	NO	ND	ND	ND	ND
Benzene	ND	NO	ND	MD	ND	25
Bromodichloromethane	ND	MD	MD	ND	ND	ND
Bramoform	ND	ND	NO	ND	ND	ND
Bromomethane	NO	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	NO	ND	ND	40
Chloroethane	ND	ND	NO	ND	NO	ND
2-Chioroethylvinyl ether	ND	ND	NO	ND	ND	ND
Chloroform	ND	ND	ND	MD	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	NO	ND	WD
1,1-Dichloroethylene	ND	ND	ND	ND	ND	48
Trans-1,2-Dichloroethylene	17000	16000	20000	15000	10000	25000
1,2-Dichloropropene	ND	ND	ND	ND	ND	NC
1,3 Dichloropropylene	ND	MD	ND	ND	MD	ND
Ethylbenzene	ND	MD	ND	ND	ND	25
Methylene Chloride	ND	NO	ND	MD	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Tetrachioroethylene	ND	ND	NO	300	ND	180
1,1,1-Trichloroethane	ND	MD	ND	100	ND	ND
1 1 2 Taight annathann						150
1,1,2-Trichloroethane	ND 3400	ND 4400	ND 4200	ND 2800	ND 6400	ND 1200
		MD	4200 ND		MD	950
Tolusne	MD MD	1700	2600	800 3300	1300	11000
Vinyl Chloride	ND	1700	2000	2200	1300	11000
EPA Nethod Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
	Calchell	Calchell	Calchell	Calchell	Caldwell	Calchell
		- <del> </del>	~~~~~			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

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HARGIS + ASSOCIATES, INC.

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TABLE C-104(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM DRAIN PIPE

COMPOUND (micrograms per liter)	10/11/85	06/30/85	DATE	SAMPLED	•••••	• • • • • • • • • • • • • • • • • • • •
(micrograms per titer)	10/11/03	06/30/63				
Acrolein	ND	ND				
Acrylonitrile	ND	ND				
Benzene		ND				
Bromodichloromethane		ND				
Bromoform		NO				
Bromomethane	MD	ND				
Carbon Tetrachloride	MD	ND				
Chlorobenzene		MD				
Chloroethane	ND	ND				
2-Chloroethylvinyl ether	ND	ND				
Chloroform		ND				
Chloromethane		ND ND				
Dibromochloromethane		ND				
1,1-Dichloroethane		ND				
1,2-Dichloroethane	ND	ND				
1,1-Dichloroethylene	ND ND	ND				
Trans-1,2-Dichloroethylene	750	1000				
1,2-Dichloropropene	ND	ND				
1,3 Dichloropropylene	MD	MD				
Ethylbenzene	. ND	ND				
Methylene Chloride	ND	ND				
1,1,2,2-Tetrachloroethane	MD	ND				
Tetrachloroethylene	. ND	ND				
1,1,1-Trichloroethane	. ND	NO				
•						
1,1,2-Trichloroethane	. 100	ND				
Trichloroethylene	75	75				
Toluene		NO				
Vinyl Chloride	4600	100				
TINE WILL INC.	1000	100				
EPA Method Number		624				
Laboratory	. Brown &	Brown &				
	Calcheil	Calchell				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

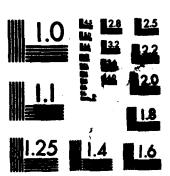
### TABLE C-105

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM ST. 5 OUTFALL

COMPOUND (micrograms per liter)	10/11/85	05/01/85	DATE	SAMPLED	•••••
Acrolein	ND	ND			
Acrylonitrile	ND	NO NO			
Benzene	ND	ND			
8romodichloromethane	ND	ND			
Bromoform	ND	NO			
Bromomethane	NO	NO			
Carbon Tetrachloride	ND	ND			
Chilorobenzene	ND	ND			
Chloroethane	ND	ND			
2-Chloroethylvinyl ether	ND	ND			
Chloroform	NO	ND			
Chloromethane	ND	ND			
Ofbromochloromethane	ND	ND			
1,1-Dichloroethane	ND	ND			
1,2-Dichloroethane	ND	ND			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylene	31	230			
1,2-Dichloropropene	ND	ND			
1,3-Dichloropropylene	ND	ND			
Ethylbenzene	ND	ND			
Methylene Chloride	ND	ND			
1,1,2,2-Tetrachloroethane	ND	ND			
Tetrachioroethylene	ND	ND			
1,1,1-Trichloroethane	NO	ND			
1,1,2-Trichloroethane	ND	ND			
Trichloroethylene	13	5			
Toluene	1	ND			
Vinyl Chloride	ND .	ND			
EPA Method Number	624	624			
Laboratory	Brown &	Brown &			
	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

AD-A180 246 3/4 UNCLASSIFIED F/G 24/4 NL



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

TABLE C-106

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM COOLING TOWER INFLUENT

COMPOUND .	•••••	• • • • • • • • • • •	DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/06/86	03/12/86	02/12/86	01/08/86	12/13/85
Acrolein	ND	MD	MD	MD	MD	MD
Acrylonitrile	ND	MD	ND	NO.	ND	MD
Benzene	MD	ND	NO	MD	ND	ND
Bromodichloromethane	NO	ND	NO	ND	ND	MD
Bromoform	MO	ND	ND	ND	ND	Mb
Bromomethane	ND	MD	ND	HD	MD	MD
Carbon Tetrachloride	ND	ND	ND	ND	MD	NO
Chlorobenzene	ND	ND	ND	ND	MD	ND
Chloroethane	MD	ND	MD	MD	MD	ND
2-Chloroethylvinyl ether	ND	ND	ND	MD	MD	ND
Chloroform	ND	12	MD	ND	ND	ND
Chioromethene	ND	MD	ND	ND	MD	NO
Dibromochloromethene	ND	ND	MD	ND	NO	MD
1,1-Dichloroethane	ND	14	ND	ND	ND	ND
1,2-Dichloroethene	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	MD	ND	NO	10	ND	ND
Trans-1,2-Dichloroethylene	8000	3000	1500	1200	1200	1000
1,2-Dichloropropene	MO	ND	NO	ND	MD	ND
1,3 Dichloropropylene	MD	ND	ND	ND	MD	MO
Ethylbenzene	MD	ND	ND	ND	ND	NO
Methylene Chloride	MD	ND	ND	MD	MD	MD
1,1,2,2-Tetrachloroethane	MD	NO	MD	NO	ND	ND
Tetrachloroethylene	60	NO	10	10	ND	ND
1,1,1-Trichloroethane	ND	51	ND	60	46	33
1,1,2-Trichloroethene	ND	MO	MD	ND	MO	ND
Trichloroethylene	2300	1800	1200	1800	1600	1600
Toluene	ND	ND	MD	ND	ND	NO
Vinyl Chloride	MD	150	160	250	NO	NO
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
•	Coldeil	Coldeil	Calchell	Calchell	Caldwell	Caldwell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-106(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM COOLING TOWER INFLUENT

roleinrylonitrile	ND NG			
MZ676				
romodich Loromethane				
romamethane	10		•	
arbon Tetrachloride	NO			
ntorobenzene	1			
nloroethane				
·Chioroethylvinyl ether				
aloroform				
nloromethane	ND			
ibromochloromethene	ND			
,1-Dichloroethane	350			
2-Dichloroethene	110			
,1-Dichlorgethylene				
rans-1,2-Dichloroethylene	1000			
,2-Dichlorapropene	9			
,3 Dichlorapropylene	NO			
thylbenzene	ND			
ethylene Chloride				
,1,2,2-Tetrachloroethane				
etrachloroethylene	. 11			
,1,1-Trichlorgethane	25			
,1,2-Trichlorgethane	100			
richloroethylene				
oluene	, <b>NO</b> ,			
inyl Chloride	760			
PA Method Number	624			
aboretory				
	Calchell			
		•		

···) = Not analyzed

TABLE C-107

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM COOLING TOWER EFFLUENT

COMPOUND		•••••	DATE	SAMPLED		•••••
(micrograms per liter)	05/07/86	04/06/86	03/12/86	02/12/86	01/08/86	12/13/85
Acrolein	MD	ND	NO	ND	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	MD	NO	ND	ND	MD	ND
Bromodichloromethane	ND	MD	ND	ND	ND	ND
Bromoform	ND	ND	NO	ND	ND	ND
Bromomethane	MD	MD	ND	ND	ND	ND
Carbon Tetrachloride	ND	MD	MD	ND	MD	MD
Chlorobenzene	ND	ND	ND	MD	NO	ND
Chloroethane	NO	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	MD	ND	ND	NO	ND
Chloroform	1	NO	MD	ND	MD	NO
Chloromethane	ND	ND	NO	NO	ND	ND
Dibromochloromethane	ND	MD	ND	ND	MD	ND
1,1-Dichloroethene	NO	ND	MD	MD	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	MD
1,1-Dichloroethylene	1	MD	ND	ND	MD	MD
Trans-1,2-Dichloroethylene	265	150	160	95	71	72
1,2-Dichloropropene	NO	ND	ND	NO	ND	ND
1,3 Dichloropropylene	MD	. NO	MD	MD	MD	MD
Ethylbenzene	MD	100	MD	<b>MD</b>	ND	ND
Hethylene Chloride	MD	MD	ND	ND	MD	MD
1,1,2,2-Tetrachloroethane	ND	160	MD	MD	ND	NO.
Tetrachloroethylene	4	2	2	1	ND	ND
1,1,1-TrichLoroethane	2.5	3	3	4	2	2
1,1,2-Trichloroethane	MD	MD	ND	ND	ND	ND
Trichloroethylene	130		96	130	110	130
Tolume	150	160	160	ND	MD	MD
Vinyl Chloride	8	ND	8	4	ND	ND
EPA Nethod Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
	Calchell	Calchell	Calchell	Calchell	Calchell	Caldwell

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

# TABLE C-107(CONTINUED) RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM COOLING TOWER EFFLUENT

. DATE SAMPL	LED	
	•	

<sup>(-)</sup>  $\Rightarrow$  Less than; numerical value is the Limit of Detection for that compound (---)  $\Rightarrow$  Not enalyzed

TABLE C-108

# RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CREEK STATION C-1

COMPOLIND			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	ND	ND	ND	ND	NO	ND
Acrylonitrile	MD	MD	NO	ND	ND	ND
Benzene	ND	ND	ND	MD	ND	MD
Bromodichloromethane	NO	ND	MD	ND	ND	MD
Bromoform	NO	ND	MD	ND	ND	ND
Bromomethane	MD	NO	MD	ND	ND	NO
Carbon Tetrachloride	ND	MD	MD	ND	ND	MD
Chiorobenzene	NO	ND	NO	ND	ND	ND
Chloroethane	ND	MD	NO	HD	ND	MD
2-Chiorcethylvinyl ether	NO	ND	ND	ND	ND	ND
Chloroform	MO	ND	NO	ND	NO	ND
Chloromethane	MD	NO	ND	NO	ND	ND
Dibromochloromethene	MD	MD	MD	MD	MD	MD
1,1-Dichloroethane	ND	ND	MD	ND	ND	ND
1,2-Dichloroethane	ND	ND	100	MD	ND	NO
1,1-Dichloroethylene	NO	ND	100	ND	MD	ND
Trans-1,2-Dichloroethylene	ND	ND	ND	MD	MD	MD
1,2-Dichloropropene	MD	ND	MD	NO	ND	ND
1,3 Dichloropropylene	ND.	ND	MD	MD	MD	MD
Ethylbenzene	100	ND	100	100	MD	ND
Methylene Chloride	100	100		100	ND	MD
1,1,2,2.Tetrachloroethane	ND	NO.	100	100	100	MD.
Tetrachloroethylene	10	MD	ND	ND	ND	ND
1,1,1-Trichloroethane	100	ND	ND	NO	ND	NO
1,1,2-Trichloroethane	ND	ND	MD.	ND.	NO	MD
Trichioroethylene	<b>10</b>	100 100		NO NO	10	100
Toluene	<b>XD</b>	100	~	~3	MO	MD
Vinyl Chloride	NO	ND	ND	NO	NO	NO
EPA Hethod Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
	Calchell	Calchell	Calchell	Calcheil	Calchell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE C-108(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM CREEK STATION C-1

(micrograms per liter)	11/06/85	10/12/85		
Acrolein	100	10		
Acrylonitrile	100	100		
Benzene	<u> </u>			
Bromodich Loromethane	100	10		
Bromoform	ND	100		
Brownethane	ND	ND NO		
Carbon Tetrachloride		<b></b>		
Chlorobenzene	NO	100		
Chloroethane	MD	ND		
2-Chloroethylvinyl ether	ND	10		
Chloroform	ND	110		
Chloromethane	ND	NO.		
Cittor constitution	NO	ND		
Dibromochloromethane	ND	ND		
1,1-Dichloroethene	HD	100		
1,2-Dichloroethene	NO	10		
1,1-Dichloroethylene	110	100		
Trans-1,2-Dichloroethylene	NO	ND		
1,2-Dichloropropane	NO	ND		
1 3 Dight angganut and				
1,3 Dichloropropylene	110	ND 		
Methylene Chloride	ND	HD		
1 1 2 2-Yearshipsonh	10	100		
1,1,2,2-Tetrachloroethane	ND	MD		
Tetrachloroethylene	HD.	ND.		
1,1,1-Trichtoroethene	MD	NO		
1,1,2-Trichloroethene	100	MD.		
Trichloroethylene	100	<b>=</b>		
Toluene	ND	iii		
Vinyl Chloride	100	10		
		-		
ESA Mathad Mahas	454			
EPA Method Number	624	624		
Laboratory	Brown &	Brown &		
	Calcheli	Calchell		

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-109

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CREEK STATION C-2

COMPOUND			DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	ND	MD	ND	ND	MD	MD
Acrylonitrile	100	100	NO NO	MO	100	MC
Senzene	ND	10	MD	MD	MD	ND
Bromodichloromethane	ND	ND	NO	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Bromomethane	MD	MD	ND	ND	MD	MD
Carbon Tetrachloride	ND	MD	ND	MD	ND	ND
Chlorobenzene	100	MD	ND	NO NO	MO	MD
Chioroethane	MD	100	NO NO	140	ND	MO
2-Chloroethylvinyl ether	ND ND	100	MD	ND	MO	ND
Chloroform	NO	MD	MD	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	NO
Dibromochloromethane	ND	NO	MD	ND	ND	NO
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	NO	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	2	4	5	12	5	6
1,2-Dichtoropropene	MD	ND	ND	NO	NO	ND
1,3 Dichloropropylene	MD	ND	MD	MD	MD	MO
Ethylbenzene	¥0	ND	NO NO	ND	100	MD
Methylene Chloride	ND	ND	NO NO	ND	ND	MD
1,1,2,2-Tetrachloroethene	ND	MD	WO	MD	ND	MD
Tetrachloroethylene	MO	ND	NO	NO	ND	ND
1,1,1-Trichloroethane	ND	ND	MD	ND	ND	ND
1 1 2-Yalahlamathan					MA.	<b></b>
1,1,2-Trichloroethene Trichloroethylene	NO NO	ND ND	160 160	MC MD	ND ND	NO ND
Toluene	ND ND	ND ND	NO NO	<b>~</b> 3	ND ND	NO NO
Vinyl Chloride	NO NO	10	100	100	ND	ND ND
******* WILLEST TOOLS		111/	NO.	700	, no	-
EPA Hethod Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
	Coldiell	Celdrell	Caldwell	Caldwell	Caldwell	Caldwill

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

TABLE C-109(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM CREEK STATION C-2

COMPOUND (micrograms per liter)	11/06/85	10/12/85	DATE	SAMPLED	
A 1 . 2 .		han.			
Acrolein	100	NO.			
Acrylonitrile	140	ND			
Benzene	100	NO			
Bromodichloromethene	ND	100			
Bromoform	ND	110			
Bromomethane	ND	MD			
Carbon Tetrachloride	ND	MD			
Chlorobenzene	ND	ND			
Chloroethane	NO	MD			
2-Chioroethylvinyl ether	MO	100			
Chloroform	ND	ND			
Chloromethane	NO.	100			
	-				
Dibromochloromethane	ND	MD			
1,1-Dichloroethane	ND	ND			
1,2-Dichloroethane	ND	ND .			
1,1-Dichloroethylene	ND	ND			
Trans-1,2-Dichloroethylen	ND	ND			
1,2-Dichloropropene	NO	ND			
1.7 Dight aggreemed and	100	100			
1,3 Dichloropropylene	ND	ND			
Ethylbenzene	ND	10D			
Methylene Chloride	ND	MD			
1,1,2,2-Tetrachioroethane	NO	NO NO			
Tetrachloroethylene	ND	ND			
1,1,1-Trichloroethane	MD	ND			
1,1,2-Trichloroethane	MD	MD			
Trichloroethylene	100	ND			
Toluene	NO	ND			
Vinyl Chloride	100	MD			
EPA Method Number	624	626			
Laboratory	Brown &	Brown &			
	Calchell	Caldwell			
	COLUMNIC	COLUMN !			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-110

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CREEK STATION C-3

COMPOUND		<b></b>	DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	MD	MD	ND	ND	· ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	ND ,	ND	MD	ND	ND	MD
Bromodichloromethane	ND	NO	ND	ND	ND	ND
Bromoform	ND	NO	MD	ND	ND	ND
Bromomethane	ND	MD	ND	MD	NO	NO
Carbon Tetrachloride	MD	MD	MD	ND	MD	ND
Chlorobenzene	ND	ND	ND	ND	MD	ND
Chloroethane	NO	ND	ND	ND	ND	MD
2-Chloroethylvinyl ether	ND	ND	MD	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	MD
Chloromethane	ND	ND	MD	ND	ND	ND
Dibromochloromethane	MD	MD	MD	MD.	MC	ND
1,1-Dichloroethane	ND	MD	ND	ND	NO	NO
1,2-Dichloroethane	ND	MD	ND	HD	ND	ND
1,1-Dichloroethylene	ND	ND	MD	MD	MO	ND
Trans-1,2-Dichloroethylene	6	14	5	18	6	11
1,2-Dichloropropene	NO	ND	ND	ND	ND	ND
1,3 Dichloropropylene	NO	MD	MD	MD	MD	ND
Ethylbenzene	ND	ND	ND	NO	NO NO	ND
Methylene Chloride	MD	MD	MD.	MO	NO NO	NO
1,1,2,2-Tetrachloroethene	NO.	MD	MD	ND	NO NO	ND
Tetrachioroethylene	ND	ND	ND	MD	MO	ND
1,1,1-Trichloroethane	MD	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	MD	MD	MD	NO	MD.	wo
Trichloroethylene	NEC .	100	ND ND	MU 1	ND ND	NO NO
Toluene	NO NO	NO NO	<b></b> 6	MO '	ND ND	NO NO
Vinyl Chloride	NO	ND	ND	ND	NO	ND
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
,	Calchiell	Calchell	Calchell	Calchell	Calchell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-110(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM CREEK STATION C-3

(micrograms per liter)	11/06/85	10/12/85		
Acrolein	NO	ND		
Acrylonitrile	NO	NO NO		
Bromodichloromethane	MD MD	NØ NØ		
Bromoform	MD	MD		
Bromomethane	ND	NO NO		
Di Cimonie Lilei le				
Carbon Tetrachloride	ND	NO		
Chlorobenzene	MD	MD		
Chloroethane	ND	ND		
2-Chloroethylvinyl ether	ND	ND		
Chloroform	ND	ND		
Chloromethane	NO	ND		
mth	440			
Dibromochloromethane	ND	NO NO		
1,1-Dichloroethane	MD	ND		
1,2-Dichloroethane	ND ND	ND ND		
1,1-Dichloroethylene				
Trans-1,2-Dichloroethylene	ND ND	MD MD		
1,2-Dichloropropene	***	<b>1.</b>		
1,3 Dichloropropylene	MD	MD		
Ethylbenzene	ND	ND		
Methylene Chloride		NO		
1,1,2,2-Tetrachloroethane		ND		
Tetrachloroethylene		ND		
1,1,1-Trichloroethane	MD	MD		
4 4 9 9-2-61				
1,1,2-Trichloroethane		MD MD		
		MO		
Yinyl Chloride		MD		
rinyt untoriog	No.	NA./		
EPA Method Number	624	624		
Laboratory	Brown &	Brown &		
•	Calchell	Calchell		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-111

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
CREEK STATION C-4

COMPOUND	<b></b>		DATE	SAMPLED	<b></b>	
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	MD	MD	MD	MD	ND	ND
Acrylonitrile	ND	ND	ND	ND	ND	NO
Benzene	MD	ND	ND	MD	ND	MD
Bromodichloromethane	ND	ND	ND	MD	ND	ND
Bromoform	NO	ND	MD	MD	ND	ND
Bromomethane	ND	ND	NO	ND	MD	ND
Carbon Tetrachloride	ND	ND	MO	ND	ND	ND
Chlorobenzene	ND	NO	ND	ND	ND	ND
Chloroethane	MD	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	ND	ND	ND	ND
Chloroform	MD	MO	ND	ND	ND	ND
Chloromethane	ND	ND	NO	NO	ND	MD
Dibromochloromethene	ND	ND	NO	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	NO	NO	NO	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	ND	ND	NO	ND	ND	ND
1,2-Dichloropropene	ND	ND	ND	ND	ND	MD
1,3 Dichloropropylene	ND	ND	ND	ND	MD	ND
Ethylbenzene	MD	MD	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	NO	ND	ND	ND	ND
1,1,1-Trichloroethane	NO	MD	MD	NO	ND	ND
4 4 4 4-1-14					<b></b>	
1,1,2-Trichloroethane	MD	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	MD	ND	NO	NO
Tolume	ND	ND	ND	ND ND	ND	ND
Vinyl Chloride	ND	MD	ND	ND	ND	ND
EPA Method Humber	624	624	624	624	624	624
Laboratory	Brown &					
	Calchell	Caldwell	Calchell	Calchell	Calchell	Calchell
	CECOMECL	CELOMELL	CELONELL	CELUMELL	COLUMN !	-a cone c t

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

TABLE C-111(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM CREEK STATION C-4

COMPOUND . (micrograms per liter)	11/06/85	10/12/85	07/02/85	SAMPLED
	.,,,	10, 12, 20	0.700,00	
Acrolein	ND	ND	ND	
Acrylonitrile	ND	NO	ND	
Benzene	MD	ND	MD	
Bromodichloromethane	MD	MD	MD	
Bromoform	MD	ND	MD	
Bromomethane	NO	MD	NO	
Carbon Tetrachloride	440			
	MD	MD	ND	
Chlorobenzene	ND	ND	HD	
Chloroethane	110	NO NO	MD	
2-Chloroethylvinyl ether	MD	ND	ND	
Chloroform	HD	ND	MD	
Chloromethane	ND	MD	NO	
Dibromochloromethane	ND	MD	MD	
1,1-Dichloroethane	MD	ND	ND	
1,2-Dichloroethane	ND	NO	MD	
1,1-Dichloroethylene	ND	ND	160	
Trans-1,2-Dichloroethylene	HD	ND	ND	
1,2-Dichloropropene	ND	NO.	ND	
The state of the s				
1,3 Dichtoropropytene	MO	NO	MD	
Ethylbenzene	MD	ND	MD	
Methylene Chloride	ND	MD	NO	
1,1,2,2-Tetrachloroethane	ND	MD	NO	
Tetrachloroethylene	ND	ND	NO	
1,1,1-Trichloroethane	MD	ND	ND	
1,1,2-Trichloroethane	NO.	ND	ND	
Trichloroethylene	100 100	10	MO	
Toluene	NO.		NO NO	
Vinyl Chloride	NO NO	MD	100	
Tinyt Gittor ide	•••	NI)		
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-112

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
CREEK STATION C-5

COMPOUND		<b></b>	DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/11/86	12/11/85
Acrolein	ND	ND	ND	ND	MD	ND
Acrylonitrile	ND	ND	ND	ND	ND	MD
Benzene	ND	ND	ND	ND	ND	NO
Bromodichioromethane	ND	ND	ND	ND	NO	MD
Bromoform	ND	ND	ND	ND	ND	MD
Bromomethane	ND	ND	NO	МО	NC	NO
Carbon Tetrachloride	ND	ND	NO	NO	NO	MD
Chlorobenzene	NO	ND	ND	ND	MD	ND
Chloroethane	ND	NO	NO	ND	ND	ND
2-Chloroethylvinyl ether	MO	MD	ND	ND	MD	HD
Chloroform	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	MD
Dibromochloromethane	ND	ND	ND	MD	Ж	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	NO	160	MD	2	MD	2
1,2-Dichloropropene	ND	ND	ND	ND	ND	ND
1,3 Dichloropropylene	ND	ND	MD	·NĐ	ND	NED
Ethylbenzene	NO	ND	NO ·	ND	ND	ND
Methylene Chloride	ND	MD	ND	· ND	ND	ND
1,1,2,2-Tetrachloroethane	MD	ND	ND	ND	ND	ND
Tetrachloroethylene	MD	MD	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	NO	ND
1,1,2-Trichloroethane	NO	ND	MD	ND	MD	MD
Trichloroethylene	ND	ND ND	ND	NO	ND	ND
Toluene	ND	MD	~~2	NO	ND.	ND
Vinyl Chloride	ND	ND	ND_	ND	ND	ND
EPA Method Number	624	- 624	624	624	624	624
Laboratory	Brown &					
•	Caldwell	Caldwell	Caldwell	Caldwell	Caldwell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-112(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM CREEK STATION C-5

COMPOUND			DATE	SAMPLED	••••••
(micrograms per liter)	11/06/85	10/11/85	08/25/85	07/02/85	
Acrolein	ND	ND	· ND	ND	
Acrylonitrile	ND	ND	ND	ND	
Benzene	ND	ND	HD	NC	
Bromodichloromethane	ND	ND	ND	ND	
Bromoform	ND	ND .	HD	ND	
Bromomethane	NO	ND	MD	ND	
Carbon Tetrachloride	MD	MD	ND	MD	
Chiorobenzene	MD	MD	ND	MO	
Chloroethane	MD	ND	100	ND	
2-Chloroethylvinyl ether	100	MD	100	100	
Chloroform	ND	ND	ND	10	
Chloromethane	100	ND	ND	NO	
Dibramoch Loramethene	ND	ND	ND	NO	
1,1-Dichloroethane	ND	ND	ND	ND	
1,2-Dichloroethane	HD	ND	NO	ND	
1,1-Dichloroethylene	ND	ND	NO	MD	
Trans-1,2-Dichloroethylene	ND	ND	ND	NO	
1,2-Dichloropropene	ND	ND	ND	ND	
1,3 Dichloropropylene	ND	ND	ND	ND	
Ethylbenzene	ND	HD	ND	ND	
Methylene Chloride	ND	NO	MD	ND	
1,1,2,2-Tetrachloroethane	ND	NO	MD	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	
1,1,2-Trichloroethane	MD	MD	MD	MD	
Trichloroethylene		100	ND	<b>20</b>	
Toluene	~3	100 100	100	ND ND	
Vinyl Chloride		100	MD	NO.	
vinyt untoride	<b>N</b> U	MU.	MD.	WU	
EPA Method Number	624	624	624	624	
Laboratory	Brown &	Brown &	Brown &	Brown &	
	Calchell	Calchell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM No.3 SEEP

1

COMPOUND	••••••		DATE	SAMPLED	***************************************
(micrograms per liter)	05/07/86	04/08/86			
Acrolein	MD	ND			
Acrylanitrile	ND	NO			•
Benzene	NO NO	ND			
Bromodichloromethane	NO	ND			
Bromoform	ND	NO			
Bromomethene	ND	NO			
Carbon Tetrachloride	ND	ND			
Chlorobenzene.		MD MD			
Chioroethane.		ND ND			
2-Chloroethylvinyl ether		WD			
Chloroform	ND ND	NO NO			
Chloromethane	ND	NO NO			
		•			
Dibromochloromethane		ND			
1,1-Dichloroethane	NO	ND			
1,2-Dichloroethane	ND	MD			
1,1-Dichloroethylene	ND	MD			•
Trans-1,2-Dichloroethylene		NO			
1,2-Dichloropropene	ND	ND			
1,3 Dichloropropylene	MD	MD			
Ethylbengene	ND ND	NO NO			
lethylene Chloride.		•••			
1,1,2,2-Tetrachloroethene		NO NO			
Tetrachioroethylene					
1,1,1-Trichloroethene		ND			
i, i, i i i l'ichtorgethere	MD	MD			
1,1,2-Trichioroethane	ND	NO			
Trichloresthylene	ND	NO			
Toluene	. ND	XD			
Vinyl Chloride	MD	ND			
EPA Nethod Number	624	624			
Laboratory		Brown &			
	Calchell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

TABLE C-114

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM OUTFALL #3

COMPOUND			DATE	SAMPLED	
(micrograms per liter)	04/08/86	01/11/86	10/11/85	07/01/85	
Acrolein	MD	NO	NO	NO	
Acrylonitrile	NO	ND	MD	NO	
Benzene	ND	MD	MD	MD	
Bromodichloromethane	NO	MD	ND	ND	
Sramoform	ND	ND	MD	ND	
Bromomethane	ND	ND	NC	ND	
Carbon Tetrachloride	MD	NO	MD	NO	
Chlorobenzene	ND	ND	ND	ND	
Chloroethane	ND	MD	ND	ND	
2-Chloroethylvinyl ether	ND	ND	ND	ND	
Chloroform	NO	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	
Dibromochloromethane	NO	ND	ND	ND	
1,1-Dichloroethane	ND	NO	ND	NO	
1,2-Dichloroethane	ND	ND	ND.	ND	
1,1-Dichloroethylene	NO	ND	ND D	NO	
Trans-1,2-Dichloroethylene	ND	ND	MO	ND	
1,2-Dichloropropene	MD	NO	ND	ND	
1,3 Dichloropropylene	MD	ND	ND	ND	
Ethylbenzene	¥0	MD	NO NO	NO	
Methylene Chloride	NO NO	ND	NO	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichloroethane	MD	MD	ND	ND	
1,1,2-Trichloroethane	ND	MD	ND	ND	
Trich(oroethy(ene	100	ND	NO NO	NO NO	
Toluene	MD	ND	ND	NO	
Vinyl Chloride	ND	ND	ND	NO	
EPA Nethod Number	624	624	624	624	
Laboratory	Brown &	Brown &	S nuora	Brown &	
	Calchell	Calchell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE C-115

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM OUTFALL #4

COMPOUND (micrograms per liter)	04/08/86	01/11/86	DATE	SAMPLED	••••••••
(micrograms per liter)	U4/U6/05	U1/11/00	10/11/65	07/02/65	
Acrolein	NO	ND	MD	ND	
Acrylonitrile	ND	ND	ND	NO	
Benzene	NG	NO	MD	ND	
Bromodichloromethane	ND	1	ND	ND	
Bromoform	ND	NO	NO	NO	
Bromomethane	ND	ND	ND	ND	
Carbon Tetrachloride	ND	MD	NO	ND	
Chlorobenzene	NO NO	NO	ND	100	
Chloroethane	ND	NO NO	MD	NO NO	
2-Chloroethylvinyl ether	ND ND	NO.	MD	MD	
Chloroform			,		
	1	1	NO	NO	
Chloromethane	ND	MD	NO	ND	
Dibromochloromethane	NO	ND	MO	ND	
1,1-Dichloroethane	ND	ND	NO	NO	
1,2-Dichloroethane	MD	ND	NO	MD	
1,1-Dichloroethylene	ND	ND	NO	ND	
Trans-1,2-Dichloroethylene	MD	MD	ND	MD	
1,2-Dichloropropene	MD	ND	MD	NO	
·,					
1,3 Dichloropropylene	NO	ND	ND:	MD	
Ethylbenzene	ND	ND	ND	NO	
Methylene Chloride	ND	ND	ND	MD	
1,1,2,2-Tetrachloroethane	ND	ND	MD	ND	
Tetrachloroethylene	ND	ND	ND	ND	
1,1,1-Trichioroethane	NO	NO	ND	ND	
1,1,2-Trichloroethane	ND	ND	MD	MD	
Trichloroethylene	NO NO	· NO	140	ND	
Toluene	NO NO	NO	100	ND	
Vinyl Chloride	NO	NO	ND	ND	
EPA Nethod Number	624	624	624	624	
Laboratory		Brown &	Brown &	Brown &	
	Calchell	Calchell	Caldwell	Calchiell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

TABLE C-116

### RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM RADAR RANGE SEEP

COMPOUND .			DATE	SAMPLED
(micrograms per liter)	05/07/86	04/08/86	02/12/86	
Acrolein	ND	MD	ND	
Acrylonitrile	MD	MD.	MD	
Senzene	MD	100	ND	
Bromodichloromethane	ND	100	MD	
Sromoform	MD	MD	ND	
Bromomethane	NO	MO	ND	
Carbon Tetrachloride	MD	MD	NC	
Chlorobenzene	MD	100	ND	
Chloroethane	ND	NO.	NO NO	
2-Chloroethylvinyl ether	NO NO	iii)	ND	
Chloroform	MD	ND	ND	
Chloromethane	100	MO	MD	
			•••	
Dibromochloromethane	MD	NO	ND	
1,1-Dichloroethane	ND	ND	ND	
1,2-Dichloroethane	MD	ND	MD	
1,1-Dichloroethylene	ND	ND .	ND	
Trans-1,2-Dichloroethylene	HD	NO.	ND	
1,2-Dichloropropene	ND	MD	MD	
1,3 Dichloropropylene	MD	MD	MD	
Ethyl benzene	<b>10</b>	MD	MD	
Methylene Chloride	100	iii	ND	
1,1,2,2-Tetrachloroethane	NO.	ND	ND	
Tetrachioroethylene	ND	) NO	16D	
1,1.Trichloroethane	<b>10</b>	100	NO NO	
,,,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
1,1,2-Trichloroethane	ND	MD	ND	
Trichloroethylene	MD	MD	ND	
Toluene	NO	ND	7	
Vinyl Chloride	ND	ND	ND	
EPA Method Number	624	624	624	
Laboratory	Brown &	Brown &	Brown &	
	Calchell	Caldmil	Calchell	

<sup>(</sup>  $\cdot$  ) = Less then; numerical value is the Limit of Detection for that compound ( $\cdot\cdot\cdot$ ) = Not analyzed

TABLE C-117

RESULTS OF ANALYSES FOR EPA PRIORITY VOLATILE ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
CREEK SEEP

COMPOUND		<b></b> .	DATE	SAMPLED		
(micrograms per liter)	05/07/86	04/08/86	03/12/86	02/12/86	01/11/86	10/12/85
Acrolein	ND	MD	NO	NO	ND	NO
Acrylonitrile	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	MĎ	MD	MD	MD
Bromodichloromethane	NO.	ND	ND	ND	ND	ND
Bromoform	ND	ЖĎ	ND	10	NO	ND
Bromomethane	MD	MD	MD	MD	MO	NO
Carbon Tetrachloride	NO	MD.	ND	NO	ND	NO
Chlorobenzene	ND	ND	MD	MD	ND	ND
Chloroethane	ND	MD	ND	ND	ND	ND
2-Chloroethylvinyl ether	ND	ND	NĎ	ND	ND	MD
Chloroform	ND	ND	MD	ND	ND	ND
Chloromethane	MD	₩D	ND	110	110	MD
Dibromochioromethane	MD	MD	MD	MD	MD	MD
1,1-Dichloroethene	NO.	ND	MĎ	MD	ND	ND
1,2-Dichloroethene	NO	ND	ND	ND	ND	NO
1.1-Dichloroethylene	ND	NO	ND	MD	ND	ND
Trans-1,2-Dichloroethylene	ND	2	ND	4	1	20
1,2-Dichloropropene	ND	NO	MD	MO	MD	ND
1,3-Dichloropropylene	MD	MD	MD	MD	MD	NO
Ethylbenzene	ND	MO	NO NO	MO	100	ND
Methylene Chioride	ND	MD	NO NO	MD	NO NO	NO
1,1,2,2-Tetrachloroethane	ND	MD	NO	NO	ND	ND
Tetrachloroethylene	MD	ND	13	NO	NO	MD
1,1,1-Trichloroethene	ND	ND	ND	NO	ND	NO
1,1,2-Trichloroethane	ND	NO	MD.	MD	MO	ND
Trichloroethylene	₩.	12	₩.	20	~~,	130
Toluene	NO	NO	MO	NO	MO	ND
Vinyl Chloride	160	NO	MD	NO	ND	110
EPA Method Number	624	624	624	624	624	624
Laboratory	Brown ?	Brown &	Brown &	Brown &	Brown &	Brown &
	Calchell	Calchell	Calcheil	Calchell	Caldwell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

TABLE C-117(CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
VOLATILE ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM CREEK SEEP

	08/25/85	06/26/85	06/26/85	
Acrolein	ND		WD	
Acrylonitrile	100	•••	100	
	MO			
Benzene	****	ND	ND	
Bromodichloromethane	MD	ND	ND	
Bromoform	ND	ND	HD	
Bromomethane	NO	NO	Ж	
Carbon Tetrachlorida	ND	ND	ND	
Chlorobenzene	ND	MO	ND	
Chloroethane	MD	ND	MD	
2-Chloroethylvinyl ether	ND	ND	ND	
Chloroform	MD	MD	MO	
Chloromethane	NO.	NO.	NO NO	
witter time trial is a construction of				
Dibromochloromethane	NO	ND	MD	
1,1-Dichloroethane	NO	ND	ND	
1,2-Dichloroethane	NO	MD	ND	
1,1-Dichloroethylene	ND	ND	NO	
Trang-1,2-Dichloroethylene	NO	ND	ND	
1,2-Dichloropropene	ND	NO	ND	
1,3-Dichloropropylene	NO	ND	ND	
Ethylbenzene	MD	NO	NO	
Methylene Chloride	NC	13	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	
Tetrachloroethylene	ND	ND	ND	
1,1,1-Trichloroethene	ND	NO	ND	
1,1,2-Trichloroethane	MD	MD	MD	
Trichloroethylene	~~2	MD	<b>7</b> 3	
	3		•	
Toluene	-	MD	ND	
Vinyl Chloride	NO	NO	MD	
EPA Nethod Number	624	624	624	
Laboratory	Brown &	McKesson	Brown &	
	Calchell		Calchell	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

HARGIS + ASSOCIATES, INC.

### APPENDIX D

### APPENDIX D

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### HARGIS + ASSOCIATES, INC.



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D-43	CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 2
D-44	CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 12
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D-46	CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #2
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COMPOUND . (micrograms per liter)	04/04/86	DATE	SAMPLED	•••••
Acenaphthene	ND			
Acenaphthylene	ND			
Anthracene	ND			
Benzidine	ND			
Benzo(a)anthracene	ND			
Benzo(a)pyrene	NO			
3,4-Benzofluoranthene	ND			
Benzo(ghi)perylene	ND			
Benzo(k)fluoranthene	ND			
Bis(2-chloroethoxy) methane	ND			
Bis(2-chloroethyl) ether	ND			
Bis(2-chloroisopropyl) ether	NO			
Bis(2-ethylhexyl) phthalate	ND			
4-Bromophenyl phenyl ether	ND			
Butyl benzyl phthalate	ND			
2-Chloronaphthalene	ND			
4-Chlorophenyl phenyl ether	ND			
Chrysene	NO			
Dibenzo(a,h)anthracene	ND			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobenzene	ND ND			
3,3'-Dichtorobenzidine	NO			
Diethyl phthalate	ND ND			
Dimethyl phthalate	ND CM			
Di-n-butyl phthalate	ND			
2,4-Dinitrotoluene	ND			
2,6-Dinitrotoluene	ND			
Di-n-octyl phthalate	ND			
1,2-Diphenylhydrazine	ND			
Fluoranthene	ND			
Fluorene	ND			
Hexachlorobenzene	ND			
Hexachlorobutadiene	ND			
Hexachlorocyclopentadiene	ND			
Hexachloroethane	ND			
Indeno(1,2,3-cd) pyrene	ND			
Isophorone	ND			
Naphthalene	ND			
Nitrobenzene	ND			
N-Nitrosdimethylamine	ND			
N-Nitrosdi-n-propylamine	NO			
N-Nitrosdiphenylamine	ND			
Phenanthrene	NO			
Pyrene	ND			
1,2,4-Trichlorobenzene	ND			
EPA Method Number	625			
Laboratory	Brown &			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND .	00 /3E /AE		DATE	SAMPLED	***************************************
(micrograms per liter)	08/25/85	06/30/85			
Acenaphthene	ND	ND			
Acenaphthylene	ND	ND			
Anthracene	ND	ND			
Benzidine	ND	ND			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	ND			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	19	22			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,3'-Dichlorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ΩN			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
fluorene	ND	ND			
Hexachlorobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachloroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	14	13			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND	ND			
N-Nitroediphenylamine	ND DN	ND .			
Phenanthrene	ND	ND ON			
Pyrene	ND	ND			
1,2,4-Trichlorobenzene	ND	ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
	Calchell	Caldweli			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND			DATE	SAMPLED	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •
(micrograms per liter)	04/05/86	04/03/86	01/11/86	12/11/85	11/07/85	10/10/85
Acenaphthene	MD	MD	MD	ND	MD	NO
Acenaphthylene	ND	NO	ND	ND	ND	MD
Anthracene	ND	ND	ND	ND	MD	100
Benzidine	ND	ND	MD	HD.	ND	MD
Benzo(a)anthracene	ND	ND	ND	MD	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
3,4-Benzofluoranthene	ND	ND	ND	ND	MD	ND
Benzo(ghi)perylene	ND	NO	ND	MD	MD	MD
Benzo(k)fluoranthene	ND	NO	ND	ND	ND	MD
Bis(2-chloroethoxy) methane	ND	ND	MD	ND	MD	MD
Bis(2-chloroethyl) ether	ND	ND	NO	ND	MD	ND
Bis(2-chloroisopropyl) ether	ND ·	MD	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ND	NO	ND	MD	ND	MD
4-Bromophenyl phenyl ether	MD	ND	NO	MD	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	MD	ND
2-Chloronaphthelene	ND	ND	ND	ND	NO	ND
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	NO	ND	NO	ND
Dibenzo(a,h)anthracene	ND	ND	NO	ND	MD	ND
1,2-Dichlorobenzene	12	420	.63	35	42	19
1,3-Dichlorobenzene	ND	NO	NO	ND	ND	ND
1,4-Dichlorobenzene	ND	450	10	ND	MD	10
3,3'-Dichlorobenzidine	ND	ND	NO	NO	ND	NO
Diethyl phthalate	ND	ND	NO	ND	ND	NO
Dimethyl phthalate	ND	ND	ND	NO	ND	NO
Di-n-butyl phthalate	ND ND	ND ND	NO	NO	MD	NO
2,4-Dinitrotoluene	ND ND	ND ND	NO NO	ND ND	MD MD	ND
2,6-DinitrotolueneDi-n-octyl phthalate	ND	MD	NO NO	MD MD	NO NO	ND ND
1,2-Diphenylhydrazine	ND ND	ND	NO NO	ND	ND ND	ND ND
Fluoranthene	ND	MD	NO NO	ND ND	MD	NO NO
Fluorene	ND	ND	NO NO	ND ND	ND ND	MD
Hexach Lorobenzene	MO	MO	ND ND	ND ND	MD	MD
Hexach Lorobutadiene	ND ND	MD	NO NO	NO NO	ND ND	MD MD
Hexachlorocyclopentadiene	ND ND	MD	NO.	ND	MD	MD
Hexachloroethane	NO	MD	NO NO	100	ND	ND ND
Indeno(1,2,3-cd) pyrene	NO	MD	NO NO	NO	NO	MO
Isophorone	MO	MD	ND	ND	ND	NO.
Naphthalene	10	100	42	22	ND	39
Nitrobenzene	МО	ND	NO	NO	ND	ND
N-Mitrosdimethylamine	140	MD	NO NO	MO	MD	NO NO
N-Mitrosdi-n-propylamine	ND	MD	ND	NO	MD	MO
N-Nitrosdiphenylamine	NO	NO.	MD	NO	NO NO	ND
Phenanthrene	NO	NO.	10	NO.	NO.	NO.
Pyrene	MD	MD	MD	MD	ND	MD
1,2,4-Trichlorobenzene	ND	ND	MD	Ü	MD	NO
EPA Method Number	625	625	625	625	625	625
Laboratory	Brown &	Brown &				
	Caldwell	Calchell	Calchell	Calchell	Caldwell	Calcheil

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



TABLE D-3

## CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-21

COMPOUND			DATE	SAMPLED	•••••	
(micrograms per liter)	05/08/86	04/08/86	03/12/86	02/12/86	01/09/86	12/11/85
Acenephthene	ND	ND	ND	ND	MD	. ND
Acenaphthylene	ND	ND	ND	ND	NO	. ND
Anthrecene	NO	ND	NO	ND	ND	ND
Benzidine	NO	MD	ND	ND	ND	ND
Senzo(a)anthracene	ND	ND	ND	MD	ND	ND
Benzo(a)pyrene	NO	ND	ND	ND	MD	ND
3,4-Benzofluoranthene	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	NO	ND	ND	ND	ND	ND
Sis(2-chloroethoxy) methene	ND	ND	ND	ND	ND	MD
Bis(2-chloroethyl) ether	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	NO	ND	ND	ND	NO	ND
Bis(2-ethylhexyl) phthelate	ND	ND	ND	ND	ND	ND
4-Bromophanyl phenyl ether	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
1,2-01chlorobenzene	ND ND	ND. ND	ND	ND	ND	NO
1,3-Dichlorobenzene	ND ND		ND	ND	ND	89
1,4-Dichlorobenzene	MD	ND ND	ND MD	ND	ND	ND
3,3'-Dichlorobenzidine	MD	ND ND	UN ON	ND	ND	14
Diethyl phthelate	ND	ND ND	ND	ND ND	ND	ND
Dimethyl phthelate	ND	ND	ND	ND ND	ND	ND
Di-n-butyl phthelate	ND	ND	ND	ND	MD NO	ND ND
2,4-Dinitrotoluene	MD	ND	.ND	ND	ND ND	NO NO
2,6-Dinitrotoluene	MD	ND	ND	ND	MD	MD
Di-n-octyl phthalate	ND	ND	ND	ND	MD	ND OM
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND ND
Fluoranthene	MD	ND	ND	ND	ND	ND
fluorene	ND	ND	ND	ND	ND	ND ND
Hexach Lorobenzene	ND	· ND	ND	ND	ND	MD
Hexach Lorobutadiene	ND	ND	ND	ND	ND	NO
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	NO NO
Hexach Loroethane	ND	ND	ND	ND	MD	ND
Indeno(1,2,3-cd) pyrene	ND	ND	ND	ND	ND	NO
Isophorone	ND	ND	ND	ND	ND	ND
Naphthelene	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitroedimethylamine	ND	ND	ND	ND	ND	ND
N-Nitroedi-n-propylamine	ND	ND	ND	ND	ND	ND
N-Nitroediphenylamine	ND	ND	ND	ND	ND	MD
Phenanthrene	ND	ND	ND	ND	MD	ND
Pyrene	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	NO
EPA Method Number	625	625	625	625	625	625
Laboratory	Brown &	Brown &	Brown &	Brown &	Brown &	Brown &
•	Calchell	Caldwell	Calchiell	Caldwell	Calchell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed



HARGIS + ASSOCIATES, INC.

COMPOUND			DATE	SAMPLED
(micrograms per liter)	11/07/85	10/09/85	08/26/85	06/30/85
Acenaph thene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	MD
Anthracene	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND
Benzo(a)anthracene	NO	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
3,4-Benzofluoranthene	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	NO
Benzo(k)fluoranthene	ND	NĐ	ND	ND
Bis(2-chloroethoxy) methane	ND	ND	ND	ND
Bis(2-chloroethyl) ether	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	NO	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	NO	ND	ND
Chrysene	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND
1,2-Dichlorobenzene	99	50	60	90
1,3-Dichlorobenzene	NO	ND	NO	ND
1,4-Dichlorobenzene	21	15	13	25
3,31-Dichlorobenzidine	ND	ND	NO	ND
Diethyl phthalate	ND	ND	ND	ND
Dimethyl phthalate	ND	MD	ND	ND
Di-n-butyl phthalate	ND	MO	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
Di-n-octyl phthalate	MD	ND	ND	ND
1,2-Diphenylhydrazine	ND	NO	ND	ND
Fluoranthene	ND	NO	NO	ND
fluorene	MD	MO	KO	ND
Hexach Lorobenzene	ND	MD	MD	ND
Hexachlorobutadiene	ND	ND	ND	ND
Hexachlorocyclopentadiene	NO	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	NO	ND	NO	ND
Isophorone	MD	NO	MD	ND
Naphthalene	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosdimethylamine	MD	ND	MD	ND
N-Nitrosdi-n-propylamine	ND	ND	ND	ND
N-Nitrosdiphenylamine	ND	ND	ND	ND
Phenanthrene	NO	MD	NO	ND
Pyrene	NO	NO	NO	ND
1,2,4-Trichtorobenzene	MD	NO	ND	ND
EPA Hethod Number	625	625	625	625
Laboratory	Brown &	Brown &	Brown &	Brown &
	Calcheli	Calciveli	Calchell	Calchell

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND (micrograms per liter)	10/09/85	06/28/85	DATE	SAMPLED	••••••	•••••	•••••
Acenaphthene	ND	ND					
Acenephthylene	ND	ND					
Anthracene	ND	ND .					
Benzidine	ND	ND					
Benzo(a)anthracene	NO	ND					
Benzo(a)pyrene	ND	ND					
3,4-Benzofluoranthene	ND	ND					
Benzo(ghi)peryle	ND	ND					
Benzo(k)fluoranthene	ND	ND					
Bis(2-chloroethoxy) methane	NO	ND					
Bis(2-chloroethyl) ether	ND	ND					
Bis(2-chloroisopropyl) ether	ND	ND					
Bis(2-ethylhexyl) phthalate	ND	ND					
4-Bromophenyl phenyl ether	ND	ND					
Butyl benzyl phthalate	ND	ND					
2-Chloronephthalene	ND	ND					
4-Chlorophenyl phenyl ether	ND	ND					
Chrysene	ND	ND					
Dibenzo(a,h)anthracene	ND 430	ND 470					
1,2-Dichlorobenzene	120	130					
1,3-Dichlorobenzene	11 200	10 130					
1,4-Dichtorobenzene	ND	NO					
Diethyl phthalate	ND ND	ND					
Dimethyl phthalate	ND	ND					
Di-n-butyl phthalate	MD	ND					
2,4-Dinitrotolume	ND	MD					
2,6-Dinitrotoluene	NO	ND					
Di-n-octyl phthelate	ND	ND					
1,2-Diphenylhydrazine	ND	ND					
Fluoranthene	ND	ND					
Fluorene	ND	ND					
Hexachlorobenzene	ND	ND					
Mexachlorobutadiene	ND	ND					
Hexachlorocyclopentadiene		ND					
Hexachloroethane		ND					
Indeno(1,2,3-cd) pyrene	ND	ND					
Isophorone	ND	ND					
Naphthalene	43	59					
Nitrobenzene	ND	ND				•	
N-Nitrosdimethylamine	ND	ND					
N-Mitroadi-n-propylamine	MD	ND					
N-Nitroediphenylamine	ND	ND					
Phenanthrene	ND	NO					
Pyrene	ND ·	ND					
1,2,4-Trichlorobenzene	ND	ND					
EPA Method Number	625	625					
Laboratory	Brown &	Brown &					
	Caldwell	Caldwell					

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND (micrograms per liter)	04/07/86	10/10/85	06/30/85	SAMPLED
Assessablebases	MD	MD	ND	
Acenephthene		100	NO NO	
Anthracene		100	NO	
Benzidine		NO	NO NO	
Benzo(a)anthracene		100	MD	
		ND	ND	
Benzo(a)pyrene		NO NO	NO	
Benzo(ghi)perylene	MD	MO	NO.	
Benzo(k)fluoranthene		100	NO NO	
Bis(2-chloroethoxy) methane		MD	NO	
Bis(2-chloroethyl) ether	ND	100	NO NO	
Bis(2-chloroisopropyl) ether	ND	NO NO	NO	
Bis(2-ethylhexyl) phthelate	ND	MO	100	
4-Bromophenyl phenyl ether	MO	ND	NO	
Butyl benzyl phthalate	MO	MD	NO.	
2-Chioronephthalene	MD	MD	MD	
4-Chlorophenyl phenyl ether	NO NO	ND	ND	
Chrysene	NO	MD	NO.	
Dibenzo(a,h)anthracene	NO	ND	ND	
1,2-Dichtorobenzene	14000	4400	3200	
	MD	MD	ND	
1,3-Dichlorobenzene	3000	2500	1100	
3.3'-Dichlorobenzidine		ND	ND	
		NO	ND	
Diethyl phthalate		ND	ND	
Dimethyl phthalate		MD	ND ND	
2,4-Dinitrotoluene		MD	MD	
2,6-Dinitrotolume		MO	ND	
Di-n-octyl phthelate		NO NO	ND	
1,2-Diphenylhydrazine.		NED	MO	
Fluoranthane		ND	MD	
Fluorene		NO	ND	
Hexach i orobenzene		NO	ND	
Hexach Lorobutadiene		WD	ND	
Hexachi orocyc i opentadiene		ND	ND	
Hexach Loroethane		MD	ND	
Indeno(1,2,3-cd) pyrene		NO	ND	
Isophorone		ND	ND ND	
Naghthalene		260	290	
		MD	MD	
Nitrobenzene	. NO	MD	ND ND	
N-Ni troedimethylamine		ND ND	ND ND	
N-Nitrosdi-n-propylamine	, ND	ND ND	ND ND	
N'NI STUDY   JAMES   COMMITTER   CONTRACTOR   CONTRACTOR	. NO	310	NO NO	
Phenanthrene		MD	ND ND	
1,2,4-Trichlorobenzene		NO	ND	
EPA Method Number	625	625	625	
Laboratory	Brown &	Brown &	Brown &	
	Calchell	Calchell	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed



COMPOUND (micrograms per liter)	10/11/85 DATE SAMPLED
Acenaphthene	ѝр
Acenaphthylene	ND
Anthracene	MO
Benzidine	NO
Benzo(a)anthracene	ND
Benzo(a)pyrene	NO NO
3,4-Benzofluoranthene	NO
Benzo(ghi)perylene	NO
Benzo(k)fluoranthene	NO NO
Bis(2-chloroethoxy) methane	NO NO
Bis(2-chloroethyl) ether	NO NO
Bis(2-chloroisopropyl) ether	NO
Bis(2-ethylhexyl) phthalate	NO
6-Bromophenyl phenyl ether	NO
Sutyl benzyl phthelate	NO
2-Chloronephthalene	NO
6-Chiorophenyi phenyi ether	NO
Chrysene	NO
ibenzo(a,h)anthracene	NO
1,2-Dichlorobenzene	NO
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
5,3'-Dichlorobenzidine	NO NO
Siethyl phthalate	NO NO
imethyl phthalate	NO NO
oi-n-butyl phthelate	NO
2,4-Dinitrotoluene	NO.
2,6-Dinitrotoluene	NO.
of-n-octyl phthalate	ND
1,2-Diphenylhydrazine	in the second se
Luoranthene	ND
luorene	NO.
lexach Lorobenzene	NO
lexach Lorobutadiene	NO
lexachlorocyclopentadiene	<b>10</b>
lexach Loroethane	NO
Indeno(1,2,3-cd) pyrene	NO.
sophorone	NO.
laphthalane	ND
litrobenzene	NO.
I-Nitroedimethylamine	NO.
I-Mitroedi-n-propylamine	ND
I-Mitroediphenylamine	ND
henenthrens	No.
yrene	NO.
1,2,4-Trichlorobenzene	NO
EPA Method Number	625
aboratory	arom 1
	Calchell

<sup>(\*) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND (micrograms per liter)	06/26/85	06/26/85	DATE	SAMPLED	•••••	•••••••
	30, 23, 33	00, 00, 00				
Aceneph thene		NO				
Acenephthylene		NO				
Anthracene		NO				
Senzidine		MD				
Benzo(a)anthracene		ND				
Benzo(a)pyrene		NO				
3,4-Benzofluoranthene		MD				
Benzo(ghi)perylene	MD	ND				
Benzo(k)fluorantheme		NO ND				
Bis(2-chloroethoxy) methane		ND ND				
Bis(2-chloroethyl) ether		ND ND				
Bis(2-ethylhexyl) phthalate		ND				
4-Bromophenyi phenyi ether		NC NC				
Butyl benzyl phthelete		MD				
2-Chloronephthalene		NO				
4-Chlorophenyl phenyl ether		ND				
Chrysene		MO				
Dibenzo(e,h)anthracene		ND				
1,2-Dichlorobenzene		ND				
1,3-Dichlorobenzene		ND				
1,4-Dichlorobenzene		ND				
3,31-Dichlorobenzidine		ND				
Diethyl phthalate	110	ND				
Dimethyl phthalate		ND				
Di-n-butyl phthelate		ND				
2,4-Dinitrotoluene		NO				
2,6-Dinitrotoluene		ND				
Di-n-octyl phthalate	10	HO.				
1,2-Diphenylhydrazine		NO				
Fluoranthene		ND				
Fluorene		ND				
Hexach Lorobenzene	NO	NO				
Hexachlorobutadiene		ND ND				
Hexachiorocyclopentadiene		ND				
Indeno(1,2,3-cd) pyrene	ND	NO				
Isophorane		NO				
Machthal ene		NO.				
Nitrobenzene		NO				
N-Nitroedimethylamine	ND	ND				
N-Nitroedi-n-propylamine		NO				
N-Nitroediphenylamine		ND				
Phenenthrene		MD				
Pyrene	NO	ND				
1,2,4-Trichlorobenzene	ND	MD				
EPA Method Number	625	625				
Laboratory	McKesson	Brown &				
•		Calduall				

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



(micrograms per liter) 08/27/85	DATE SAMPLED
A	
A	
Acenaph thene	
AcenephthyleneND	
Anthracene	
Benzidine ND	
Benzo(a)anthracene	
Benzo(a)pyrene	
3,4-BenzofluorantheneND	
Benzo(ghi)perylene	
Senzo(k)fluorantheneND	
Bis(2-chloroethoxy) methane ND	
Bis(2-chloroethyl) ether	
Bis(2-chloroisopropyl) ether ND	
Bis(2-ethylhexyl) phthalate ND	
4-Bromophenyl phenyl ether NO	
Butyl benzyl phthalateND	
2-Chloronephthalene	
4-Chlorophenyl phenyl ether ND	
Chrysene	
Dibenzo(a,h)anthracene	
1,2-DichlorobenzeneND	
1,3-DichlorobenzeneND	
1,4-Dichlorobenzene	
3,3'-DichlorobenzidineND	
Diethyl phthalateND	
Dimethyl phthalate	
Di-n-butyl phthalate	
2,4-DinitrotolueneND	
2,6-DinitrotolueneND	
Di-n-octyl phthalate	
1,2-Diphenythydrazine	
Fluoranthene	
FluoreneND	
Hexach LorobenzeneND	
Hexach Lorobutadieneii0	
MexachlorocyclopentadieneND	
HexachloroethaneND	
Indeno(1,2,3-cd) pyreneND	
1 sophorone	
NaphthaleneND	
Nitrobenzene	
N-NitrosdimethylamineND	
N-Nitrosdi-n-propylamine	
N-Nitrosdiphenylamine	
Phenanthrene 10	
Pyrene	
1,2,4-Trichlorobenzene	
EPA Hethod Number 625	
Laboratory Brown &	
Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND (micrograms per liter)	04/03/86	10/10/85	DATE 08/27/85	SAMPLED
Acenaphthene	. NO	ND	NO	
Acenaphthylene	NO	ND	ND	
Anthracene	ND	ND	ND	
Benzidine	NO	ND	NĐ	
Benzo(a)anthracene	ND	MD	MD:	
Senzo(a)pyrene	MO	NO	MD	
3,4-Benzofluoranthene	MD	MD	ND	
Benzo(ghi)perylene	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	
Bis(2-chloroethoxy) methene	NO	ND	ND	
Bis(2-chloroethyl) ether	ND	NO	ND	
Bis(2-chloroisopropyl) ether	ND	ND	ND	
Bis(2-ethylhexyl) phthalate	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	NÐ	ND	
Butyl benzyl phthalate	ND	NO	ND	
2-Chloronaphthalene	ND	ND	ND	
4-Chlorophenyl phenyl ether	ND	NO	NO	
Chrysene	ND	ND	ND	
Dibenzo(a,h)anthracene	NO	ND	ND	
1,2-Dichlorobenzene	· ND	ND	ND	
1,3-Dichlorobenzene	MD	ND	MD	
1,4-Dichlorobenzene	ND	ND	ND	
3,31-Dichlorobenzidine	ND	ND	ND	
Diethyl phthalate		ND	NO	
Dimethyl phthalate	NO	ND	NO	
Di-n-butyl phthalate	MD	ND	ND	
2,4-Dinitrotoluene	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	
Di-n-octyl phthalate		ND	NO	
1,2-Diphenylhydrazine	ND	ND	ND	
Fluoranthene	ND	GN	ND	
Fluorene		ND	ND	
Hexach Lorobenzene	NO	ND	ND	
Hexachlorobutadiane	ND	ИÐ	ND	
Hexachlorocyclopentadiene	ND	ND	ND	
Hexachioroethane	ND	ND	ND	
Indeno(1,2,3-cd) pyrene		ND	ND	
Isophorone	ND	ND	ND	
Naphthalene		10	10	
Nitrobenzene	ND	ND	ND	
N-Nitrosdimethylamine	NO	ND	ND	
N-Nitroedi-n-propylamine	ND.	NO	ND	
N-Nitrondiphenylamine	ND	CN	ND	
Phenenthrene	ND	ND	ND	
Pyrene	ND	NO	ND	
1,2,4-Trichlorobenzene	ND	MD	ND	
EPA Hethod Number	625	625	625	
Laboratory	Brown &	Brown &	Brown &	
•	Calchell	Caldwell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-55

COMPOUND	DATE SAMPLED
(micrograms per liter)	07/26/85
Acenaph thene	. ND
Acenaphthylene	
Anthracene	
Benzidine	
Benzo(a)anthracene	
Benzo(a)pyrene	
3,4-Benzofiuoranthene	
Benzo(ghi)perylene	, MD
Benzo(k)fluoranthene	
Bis(2-chloroethoxy) methane	. NO
Bis(2-chloroethyl) ether	. NO ND
Bis(2-chiconocoul) sets	ND
Bis(2-chloroisopropyl) ether	<del></del>
Bis(2-ethylhexyl) phthalate	ND
4-Bromophenyl phenyl ether	ND
Butyl benzyl phthalate	ND
2-Chloronaphthalane	ND
4-Chlorophenyl phenyl ether	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
1,2-Dichlorobenzene	NÖ
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	NO
3,3'-Dichlorobenzidine	. ND
Diethyl phthalate	
Dimethyl phthalate	. NO
Di-n-butyl phthalate	. 10
2,4-Dinitrotoluene	
2,6-Dinitrotoluene	. NO
Di-n-octyl phthalate	. ND
1,2-Diphenythydrazine	, ND
Fluoranthene	. MD
Fluorene	
Hexach Lorobenzene	
Rexact to obstact and the second seco	. ND
Hexachlorocyclopentadiene	, NO
Hexachloroethane	, NO
Indeped 2.7. add masses	, ND
Indeno(1,2,3-cd) pyrene	ND
Isophorone	, ND
Naphthalene	
Nitrobenzene	. NO
N-Nitrosdimethylamine	. NO
M-Nitroedi-n-propylamine	. ND
N-Nitrosdiphenylamine	ND
Phenenthrene	
Pyrene	. ND
1,2,4-Trichlorobenzene	. ND
SDA Mashad Number	405
EPA Hethod Number	625
Laboratory	Brown &
	Caldwell

(-) = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND		 DATE	SAMPLED	 
(micrograms per liter)	10/11/85			
Acenaphthene	ND			
Acenaphthylene	ND			
Anthracene	ND			
Benzidine	ND			
Benzo(a)anthracene	ND			
Senzo(a)pyrene	NO			
3,4-Benzofluoranthene	ND			
Benzo(ghi)perylene	ND			
Benzo(k)fluoranthene	ND			
Bis(2-chloroethoxy) methane	ND			
Bis(2-chloroethyl) ether	ND			
Bis(2-chloroisopropyl) ether	ND			
Bis(2-ethylhexyl) phthalate	ND			
4-Bromophenyl phenyl ether	ND			
Butyl benzyl phthalate	ND			
2-Chloronaphthalene	ND			
4-Chlorophenyl phenyl ether	ND			
Chrysene	ND ND			
Oibenzo(a,h)anthracene	MD MD			
1,2-Dichlorobenzene				
1,3-Dichlorobenzene	ND ND			
1,4-Dichlorobenzene	ND			
3,31-Dichlorobenzidine	ND			
Diethyl phthalate	ND			
Di-n-butyl phthalate	ND			
2.4-Dinitrotoluene	ND			
2.6-Dinitrotoluene	ND			
Di-n-octyl phthalate	ND			
1,2-Diphenylhydrazine	ND			
Fluoranthene	ND			
Fluorene	ND			
Hexachlorobenzene	ND			
Hexach Lorobutadiene	ND			
Hexachlorocyclopentadiene	ND			
Hexachloroethane	ND			
Indeno(1,2,3-cd) pyrene	ND			
Isophorone	ND			
Naphthalene	63			
Nitrobenzene	ND			
M-Nitrosdimethylamine	ND			
N-Nitroedi-n-propylamine	ND			
N-Nitroediphenylamine	ND			
Phenanthrene	ND			
Pyrene	ND			
1,2,4-Trichlorobenzene	ND			
EPA Method Number	625			
Laboratory	Brown &			
	Caldwell			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not enalyzed



COMPOUND		DATE	SAMPLED	***************************************
(micrograms per liter)	10/11/85			
Acenephthene	ND			
Acenaphthylene	ND			
Anthracene	ND			
Benzidine	MD			
Benzo(a)anthracene	MÖ			
Benzo(a)pyrene	MD			
3,4-Benzofluoranthene	ND			
Benzo(ghi)perylene	ND			
Benzo(k)fluoranthene	ND			
Bis(2-chloroethoxy) methane	ND			
Bis(2-chloroethyl) ether	KD			
Bis(2-chloroisopropyl) ether	ND			
Bis(2-ethylhexyl) phthalate	ND			
4-Bromophenyl phenyl ether	ND			
Butyl benzyl phthalate	ND			
2-Chloronaphthalene	ND			
4-Chlorophenyl phenyl ether	ND			
Chrysene	ND			
Dibenzo(a,h)anthracene	ND			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
3,3'-Dichlorobenzidine	ND			
Diethyl phthalate	ND			
Dimethyl phthalate	ND			
Di-n-butyl phthalate	ND			
2,4-Dinitrotoluene	ND			
2,6-Dinitrotoluene	ND			
Di-n-octyl phthalate	ND			
1,2-Diphenylhydrazine	ND			
Fluoranthene	ND			
Fluorene	NO			
Hexachlorobenzene	ND			
Hexachlorobutadiene	ND			
Hexachlorocyclopentadiene	ND			
Hexachloroethane	ND			
Indeno(1,2,3-cd) pyrene	ND			
Isophorone	ND			
Naphthalene	ND			
Nitrobenzene	NO			
N-Nitrosdimethylamine	ND			
N-Mitroedi-n-propylamine	ND			
N-Mitroediphenylamine	ND			
Phenenthrene	ND			
Pyrene	ND			
1,2,4-Trichlorobenzene	ND			
EPA Method Number	625			
Laboratory	Brown &			
	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND . (micrograms per liter)	10/11/85	. DATE	SAMPLED	***************************************
Circle of the part (1001)	10/11/05			
Acenaphthene	ND			
Acenaphthylene	ND			
Anthracene	ND			
Benzidine	ND			
Benzo(a)anthracene	ND			
Benzo(a)pyrene	ND			
3,4-Benzofluoranthene	ND			
Benzo(ghi)perylene	ND			
Benzo(k)fluoranthene	NO			
Bis(2-chloroethoxy) methane	ND			
Bis(2-chloroethyl) ether	ND			
Bis(2-chloroisopropyl) ether	ND			
Bis(2-ethylhexyl) phthalate	ND			
4-Bromophenyl phenyl ether	ND			
Butyl benzyl phthalate	ND			
2-Chloronaphthalene	ND			
4-Chlorophenyl phenyl ether	ND			
Chrysene	ND			
Dibenzo(a,h)anthracene	ND			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
3,3'-Dichlorobenzidine	ND			
Diethyl phthalate	ND			
Dimethyl phthalate	ND			
Di-n-butyl phthalate	ND			
2,4-Dinitrotoluene	ND			
2,6-Dinitrotaluene	ND			
Di-n-octyl phthalate	ND			
1,2-Diphenylhydrazine	ND			
Fluoranthene	ND			
Fluorene	ND			
Hexachlorobenzene	ND			
Hexachlorobutadiene	ND			
Hexachlorocyclopentadiene	ND			
Hexachloroethane	ND			
Indeno(1,2,3-cd) pyrene	ND			
Isophorone	ND			
Naphthalene	ND			
Nitrobenzene	ND			
N-Nitrosdimethylamine	ND			
N-Nitrosdi-n-propylamire	ND			•
N-Nitrosdiphenylamine	ND			
Phenanthrene	ND			
Pyrene	ND			
1,2,4-Trichlorobenzene	ND			
	<b></b>			
EPA Method Number	625			
EPA Method Number	045 Brown &			

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOLIND	DATE SAMPLED
(micrograms per liter)	10/12/85
(micrograms por cross)	
• • • •	110
Acenaph thene	
Acenaphthylene	
Anthracene	
Benzidine	-
Benzo(a)anthracene	ND
Benzo(a)pyrene	
3,4-Benzofluoranthene	
Benzo(ghi)perylene	ND
Benzo(k)fluoranthene	ND
Bis(2-chloroethoxy) methane	ND
Bis(2-chloroethyl) ether	ND
Bis(2-chloroisopropyl) ether	ND
Bis(2-ethylhexyl) phthalate	ND
4-Bromophenyl phenyl ether	ND
Butyl benzyl phthalate	ND
2-Chloronaphthalene	ND
4-Chlorophenyl phenyl ether	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
3,3'-Dichlorobenzidine	ND '
Diethyl phthalate	
Dimethyl phthalate	
Di-n-butyl phthalate	
2,4-Dinitrotoluene	
2,6-Dinitrotoluene	
Di-n-octyl phthalate	
1,2-Diphenylhydrazine	
Fluoranthene	
Fluorene	
Hexach Lorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Indeno(1,2,3-cd) pyrene	
Isophorone	
Naphthalene	
Nitrobenzene	ND
N-Nitrosdimethylamine	, ND
N-Nitrosdi-n-propylamine	
N-Nitrosdiphenylamine	
Phenanthrene	• •••
Pyrene	, ND
1,2,4-Trichlorobenzene	, ND
EPA Method Number	625
Laboratory	Brown &
	Caldwell

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-62

COMPOUND . (micrograms per liter)	10/10/85	DATE	
Acenaphthene	ND		
Acenaphthylene	MD		
Inthracene	ND		
enzidine	MD		
enzo(a)anthracene	MC		
enzo(a)pyrene	ND		
,4-Benzofluoranthene	MD		
	MD MD		
Benzo(ghi)perylene	ND ND		
Senzo(k)fluorantheme	MD:		
is(2-chloroethoxy) methane			
is(2-chloroethyl) ether	ND		
is(2-chloroisopropyl) ether	ND		
is(2-ethylhexyl) phthalate	ND		
-Bromophenyl phenyl ether	ND		
utyl benzyl phthalate	ND		
-Chloronaphthalene	ND		
-Chlorophenyl phenyl ether	ND		
hrysene	ND		
ibenzo(a,h)anthracene	ND		
,2-Dichlorobenzene	ND		
,3-Dichlorobenzene	ND		
,4-Dichlorobenzene	NO		
,31-Dichlorobenzidine	ND		
iethyl phthalate	MD		
imethyl phthalate	MD		
i-n-butyl phthalate	MD		
,4-Dinitrotoluene	ND		
,6-Dinitrotoluene	ND.		
i-n-octyl phthalate	ND		
,2-Diphenylhydrazine	ND		
Fluoranthene	NO NO		
Fluorene	MD		
Hexach Lorobenzene	MO		
iexachtorobutadiene	ND ND		
Hexachtorocyclopentadiene	•••		
	ND		
lexachloroethane	ND		
Indeno(1,2,3-cd) pyrene	NO		
sophorone	NO		
laphthalene	ND		
litrobenzene	ND		
N-Nitrosdimethylamine	ND		
N-Nitroedi-n-propylamine	NO		
N-Nitrosdiphenylamine	ND		
Phenanthrene	NO		
Pyrene	NO		
1,2,4-Trichlorobenzene	NO		
EPA Method Number	625		
Laboratory	Brown &		
,	Calchell		

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HARGIS + ASSOCIATES, INC.

### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-63

COMPOUND			DATE	SAMPLED
(micrograms per liter)	10/10/85	08/27/85	06/30/85	
(miorogi cam poi vi sor)	,,	30, 0., 00	30, 30, 30	
Acenaphthene	ND	ND	MD	
Acenephthylene	NC	ND	ND	
Anthrecene	ND	ND	ND	
Benzidine	ND	ND	ND	
Benzo(a)anthracene	MD	ND	ND	
Benzo(a)pyrene	ND	ND	ND	
3,4-Benzofluoranthene	ND	ND	ND	
Benzo(ghi)perylene	ND	ND	MD	
Benzo(k)fluoranthene	ND	NO	NO	
Bis(2-chloroethoxy) methane	ND	ND	NO	
Bis(2-chloroethyl) ether	MD	ND	NO	
Bis(2-chloroisopropyl) ether	MD	MD	ND	
Bis(2-ethylhexyl) phthalate	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	
Butyl benzyl phthalate	ND	ND	MD	
2-Chioronaphthalene	NO	ND	ND	
4-Chlorophenyl phenyl ether	MD	ND	ND	
Chrysene	ND	ND	ND	
Dibenzo(a,h)anthracene	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	
1,4-Dichtorobenzene	ND	ND	NC	
3,3'-Dichlorobenzidine	ND	ND	ND	
Diethyl phthalate	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	
Di-n-butyl phthalate	ND	ND	ND	
2,4-Dinitrotoluene	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	
Di-n-octyl phthalate	ND	ND	ND	
1,2-Diphenythydrazine	ND	ND	ND	
Fluoranthene	ND	ND	ND	
Fluorene	ND	ND	ND	
Hexach Lorobenzene	ND	ND	ND	
Kexach Lorobutadiene	MD	ND	ND	
Mexachlorocyclopentadiene	ND	ND	ND	
Hexachloroethane	NO	ND	ND	
Indeno(1,2,3-cd) pyrene	ND	ND	ND	
Isophorone	ND	ND	ND	
Naphthalene	ND	ND	ND	
Nitrobenzene	ND	ND	ND	
N-Nitroedimethylamine	ND	ND	ND	
N-Nitroedi-n-propylemine	ND	ND	ND	
N-Nitroediphenylamine	ND	ND	ND	
Phenenthrene	ND	ND	ND	
Pyrene	ND	ND	ND	
1,2,4-Trichlorobenzene	MD	ND	ND	
EPA Method Number	625	625	625	
Laboratory	Brown &	Brown &	Brown &	
	Calchell	Calchiell	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



HARGIS + ASSOCIATES, INC.

COMPOUND (micrograms per liter)	07/01/85	TE SAMPLED
Acenephthene	ND	
Acenaphthylene		
Anthracene	ND	
Benzidine	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	ND	
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyi phenyi ether	ND	
Butyl benzyl phthalate	ND	
2-Chloronaphthalene	ND	
4-Chiorophenyi phenyi ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
Diethyl phthalate	ND	
Dimethyl phthalate		
Di-n-butyl phthalate	ND	
2,4-Dinitrotoluene	ND	
2,6-Cinitrotoluene	ND	
Di-n-octyl phthalate	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
Fluorene	ND	
Hexachlorobenzene	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexachloroethane	ND	
Indeno(1,2,3-cd) pyrene	ND	
Isophorone	NO	
Naphthalene	ND	
Nitrobenzene	ND	
N-Nitrosdimethylamine	ND	
N-Nitrosdi-n-propylamine	ND	
N-Nitrosdiphenylamine	ND	
Phenanthrene	MD	
Ругеле	NO	
1,2,4-Trichlorobenzene	NO	
EPA Method Number	625	
Laboratory	Brown &	
-	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND . (micrograms per liter)	DATE SAMPLED	
(micrograms per titel)	07/01/03	
Acenaph thene	DM	
Acenaphthylene	ND	
Anthracene	ND	
Benzidine	ND	
Benzo(a)anthracene	NO	
Benzo(a)pyrene	ND	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	ND	
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	ND	
2-Chloronaphthalene	ND	
4-Chlorophenyl phenyl ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
Diethyl phthalate	ND	
Dimethyl phthalate	ND	
Di-n-butyl phthalate	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthalate	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	, ND	
Fluorene	ND	
Hexach Lorobenzene	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	NO	
Hexachloroethane	ND	
Indeno(1,2,3-cd) pyrene	ND	
Isophorone	ND	
Waphthalene	ND	
Nitrobenzene	ND	
N-Nitrosdimethylamine	ND	
N-Nitrosdi-n-propylamine	ND	
N-Nitrosdiphenylamine	ND	
Phenanthrene	ND	
Pyrene	ND	
1,2,4-Trichlorobenzene	ND	
EPA Method Number	625	
Laboratory	Brown &	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND . (micrograms per liter)	06/28/85 DATE SAMPLED	••
Acenaphthene	ND	
Acenaph thy lene	ND No.	
Anthracene	ND	
Benzidine	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	NO	
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	ND	
2-Chloronaphthalene	ND	
4-Chlorophenyl phenyl ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
Diethyl phthalate	ND	
Dimethyl phthalate	ND	
Di-n-butyl phthalate	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthalate	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
Fluorene	NO	
Hexachlorobenzene	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexachloroethane	ND	
Indeno(1,2,3-cd) pyrene	HD	
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	
N-Nitroadimethylamine	ND	
N-Nitroadi-n-propylamine	ND	
N-Nitroediphenylamine	ND	
Phenanthrene	ND	
Pyrene	ND	
1,2,4-Trichlorobenzene	NO	
EPA Hethod Number	625	
Laboratory	Brown &	
• ' '	Calchell	

<sup>(&#</sup>x27;) = Less then; numerical value is the Limit of Detection for that compound (---) = Not enalyzed



COMPOUND (micrograms per liter)	06/28/85	SAMPLED
Aceneohthene	NO	
Acenaphthylene	NO	
Anthracene	ND	
Benzidine	ND	
Benzo(a)anthracene	NO	
Benzo(a)pyrene	NO	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	NO	
Benzo(k)fluorenthene	ND	
Bis(2-chloroethoxy) methane	NO	
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	NO	
Butyl benzyl phthalate	ND	
2-Chloronaphthalene	NO	
4-Chlorophenyl phenyl ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthrecene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND ND	
Diethyl phthalate	ND	
Dimethyl phthalate	ND	
2,4-Dinitrotoluene	ND	
2.6 ND	NU	
Di-n-octyl phthalate	ND	
1,2-Diphenylhydrazine	ND	
fluoranthene	ND	
Fluorene	ND	
Hexachlorobenzene	ND	
Hexachlorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexachloroethane	ND	
Indeno(1,2,3·cd) pyrene	ND	
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	
N-Nitroedimethylamine	ND	
N-Mitroadi-n-propylamine	ND	
M-Mitrosdiphenylamine	ND	
Phenenthrene	ND	
Pyrene	ND	
1,2,4-Trichlorobenzene	ND	
	128	
EPA Method Number	625	
EPA Method Humber	Brown &	

<sup>(\*) =</sup> Less than; numerical value is the Limit of Detection for that compound (\*\*\*) = Not analyzed



# CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-74

COMPOUND (micrograms per liter)	10/12/85	06/26/85	DATE	SAMPLED	***************************************
Acenaph thene	ND	ND			
Acenaphthylene	ND	ND			
Anthracene	ND	ND			
Benzidine	ND	ND			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	ND			
3,4-Banzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthrecene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,31-Dichtorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
Fluorene	ND	ND			
Hexach Lorobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachloroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND	ND			
N-Nitrosdiphenylamine	ND	ND			
Phenanthrene	KD	ND .			
Pyrene	ND	NO			
1,2,4-Trichlorobenzene	ND	ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
•	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



HARGIS + ASSOCIATES, INC.

COMPOUND . (micrograms per liter)	10/08/85 DATE SAMPLED
Assessed at the con-	
Acenaph thene	ND
Acenaph thylene	ND
Anthracene	NO
Benzidine	NO
Benzo(a)anthracene	NO
Benzo(a)pyrene	ND
3,4-Benzofluoranthene	ND
Benzo(ghi)perylene	NO
Benzo(k)fluorenthene	ND
Bis(2-chloroethoxy) methane	NO
Bis(2-chloroethyl) ether	ND
Bis(2-chloroisopropyl) ether	ND
Bis(2-ethylhexyl) phthalate	ND
4-Bromophenyl phenyl ether	ND
Butyl benzyl phthalate	NO
2-Chloronaphthalene	ND
4-Chlorophenyl phenyl ether	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
1,2-Dichlorobenzene	NO
1.3-Dichlorobenzene	ND
1,4-Dichtorobenzene	ND
3,31-Dichlorobenzidine	ND
Diethyl phthalate	ND
Dimethyl phthalate	ND
Di-n-butyl phthalate	ND
2,4-Dinitrotoluene	ND
2,6-Dinitrotoluene	ND
Di-n-octyl phthalate	ND
1,2-Diphenylhydrazine	ND
Fluoranthene	ND
Fluorene	ND
Hexachlorobenzene	ND
Hexach Lorobutadiene	ND
Hexachlorocyclopentadiene	ND
Hexachloroethane	ND
Indeno(1,2,3-cd) pyrene	ND
Isophorone	ND
Naphthalene	ND
Nitrobenzene	ND
N-Mitrosdimethylamine	ND .
N-Nitrosdi-n-propylamine	י. ND
N-Nitrosdiphenylamine	ND
Phenanthrene	NO
Pyrene	ND
1,2,4-Trichtorobenzene	ND
EPA Method Number	625
Laboratory	Brown &
	Caldwell
	estant,

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



Acenaphthene	COMPOUND	DA	ATE SAMPLED	
Actraghthylene	rograms per liter)			
Accessify the service of the service				
Accessify the service of the service	haan			
Anthracene				
Benzidine				
Benzo(a)anthracene				
Benzo(a)pyrene				
3,4-Benzof(uoranthene				
Benzo(k)fluorantheme				
Benzo(k)fluoranthene				
Bis(2-chloroethoxy) methane				
Bis(2-chlorosthyl) ether				
Bis(2-ethoroisopropyl) ether       ND         Bis(2-ethylhexyl) phthalate       1600         4-Bromopheryl phenyl ether       ND         2-Chloronsphthalame       ND         4-Chlorophenyl phenyl ether       ND         Chrysene       ND         1,2-Dichlorobenzene       ND         1,3-Dichlorobenzene       ND         1,3-Dichlorobenzene       ND         3,3-Dichlorobenzene       ND         3,3-Dichlorobenzene       ND         3,3-Dichlorobenzene       ND         Diethyl phthalate       ND         Diethyl phthalate       ND         Diethyl phthalate       ND         Di-n-butyl phthalate       ND         2,4-Dinitrotoluene       ND         2,6-Dinitrotoluene       ND         1,2-Diphenylhydrazine       ND         Fluorente       ND         Hexachlorobutadiene       ND				
Bis(2-ethylhexyl) phthalate	loroethyl) ether			
4-Bromophenyl phenyl ether				
Butyl benzyl phthalate		0		
2-Chloronephthalene		1		
4-Chlorophenyl phenyl ether       ND         Chrysene       ND         1,2-Dichlorobenzene       ND         1,3-Dichlorobenzene       ND         1,4-Dichlorobenzidine       ND         1,4-Dichlorobenzidine       ND         Diethyl phthalate       ND         Dienethyl phthalate       ND         Di-n-butyl phthalate       ND         2,6-Dinitrotoluene       ND         2,6-Dinitrotoluene       ND         Di-n-octyl phthalate       ND         1,2-Diphenylhydrazine       ND         Fluorene       ND         Hexachlorobenzene       ND         Hexachlorobutadiene       ND         Hexachlorocyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Isophorone       ND         Naphthalene       420		ı		
ND   Dibenzo(a, h)anthracere		1		
Dibenzo(a,h)anthracene	phenyl phenyl ether	l		
1,2-Dichlorobenzene       ND         1,3-Dichlorobenzene       ND         3,3'-Dichlorobenzidine       ND         Diethyl phthalate       100         Dimethyl phthalate       ND         Di-n-butyl phthalate       ND         2,4-Dinitrotoluene       ND         2,6-Dinitrotoluene       ND         1,2-Diphenylhydrazine       ND         fluorenthene       ND         fluorentene       ND         Hexachlorobenzene       ND         Hexachlorobutadiene       ND         Hexachlorocyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Indeno(1,2,3-cd) pyrene       ND         Naphthalene       420	***********			
1,3-Dichlorobenzene	a,h)anthracene	l .		
1,3-Dichlorobenzene	lorobenzene	l		
3,3'-Dichlorobenzidine       ND         Diethyl phthalate       ND         Din-butyl phthalate       ND         2,4-Dinitrotoluene       ND         2,6-Dinitrotoluene       ND         Din-octyl phthalate       ND         1,2-Diphenylhydrazine       ND         Fluorenthene       ND         Fluorene       ND         Hexachlorobenzene       ND         Hexachlorocyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Indeno(1,2,3-cd) pyrene       ND         Isophorone       ND         Kaphthalene       420	lorobenzene	l		
Diethyl phthalate	lorobenzene	1		
Dimethyl phthalate	hlorobenzidine	ı		
Di-n-butyl phthalate	phthalate	0		
Di-n-butyl phthalate	phthalate	1		
2,4-Dinitrotoluene	yl phthalate	1		
2,6-Dinitrotoluene       ND         Din-octyl phthalate       ND         1,2-Diphenylhydrazine       ND         Fluoranthene       ND         Fluorene       ND         Hexachlorobenzene       ND         Hexachlorobyclopentadiene       ND         Hexachlorocyclopentadiene       ND         Hexachloroothane       ND         Indenotine       ND         Isophorone       ND         Naphthalene       420	trotoluene	•		
1,2-Diphenylhydrazine	trotoluene	1		
1,2-Diphenylhydrazine       ND         Fluorene       ND         Hexachlorobenzene       ND         Hexachlorobutadiene       ND         Hexachlorocyclopentadiene       ND         Hexachloroethane       ND         Indeno(1,2,3-cd) pyrene       ND         Isophorone       ND         Naphthalene       420	yl phthalate	<b>(</b>		
Fluorene		1		
Fluorene	hene			
Hexachlorobutadiene		ı		
Hexachlorobutadiene	robenzene			
HexachlorocyclopentadieneND HexachloroethaneND Indeno(1,2,3-cd) pyreneND IsophoroneND NaphthaleneND	robutadiene			
Hexachloroethane	rocyclopentadiene			
Indeno(1,2,3-cd) pyrene	roethane			
Isophorone ND Naphthalene 420				
Naphthalene				
	ene	a		
N1Trobenzene	zene	•		
N-NitroedimethylamineND				
N-Nitroedi-n-propylamineND				
M-NitroediphenylamineND	diphenylamine			
PhenanthreneND				
PyreneND				
1,2,4-TrichlorobenzeneND	ichlorobenzene			
EPA Method Number 625	od Number	•		
Laboratory Brown &		<del>-</del>		
Caldwell	•	<del></del>		
GELLINGELL				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND .	06/28/85 DATE SAMPLED	• • •
(micrograms per liter)	00/20/03	
Acenaphthene	ND .	
Acenephthylene	ND	
Anthracene	ND	
Benzidine	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	ND	
Benzo(k)fluorenthene	ND	
Bis(2-chlorosthoxy) methane	ND	
Bis(2-chloroethyl) ether	NO	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	NO	
2-Chloronaphthalene	ND	
4-Chlorophenyl phenyl ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,31-Dichlorobenzidine	ND	
Diethyl phthalate	ND	
Dimethyl phthalate	ND	
Di-n-butyl phthalate	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthalate	ND	
1,2-Diphenylhydrazine	ND	
Fluoranthene	ND	
Fluorene	ND	
Hexach Lorobenzene	ND	
Hexach Lorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexachioroethane	ND	
Indeno(1,2,3-cd) pyrene	ND	
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	
N-Nitrosdimethylamine	ND	
N-Nitrosdi-n-propylamine	ND	
N-Mitrosdiphenylamine	ND	
Phenanthrene	ND	
Pyrene	ND	
1,2,4-Trichlorobenzene	ND	
EPA Method Number	625	
Laboratory	grown &	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (--- = Not analyzed

COMPOUND (micrograms per liter)	10/12/85	06/28/85	DATE	SAMPLED	
(micrograms per circuly	10/12/05	00/20/03			
Acenaph thene		ND			
Acenaphthylene		ND			
Anthracene		ND			
Benzidine		ND			
Benzo(a)anthracene		ND			
Benzo(a)pyrene		ND			
3,4-Benzofluoranthene		ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND ND	ND			
Bis(2-chloroethoxy) methane		ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthelate	NO	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	NO			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,31-Dichlorobenzidine		ND			
Diethyl phthalate	. ND	ND			
Dimethyl phthalate		ND			
Di-n-butyl phthalate		ND			
2,4-Dinitrotoluene		ND			
2,6-Dinitrotoluene	. ND	ND			
Di-n-octyl phthalate	. ND	ND			
1,2-Diphenythydrazine	. ND	ND			
Fluoranthene	. ND	ND			
Fluorene		ND			
Hexach Lorobenzene	. ND	ND			
Hexachiorobutadiene	. ND	ND			
Hexachiorocyclopentadiene	. ND	ND			
Hexachloroethane	. ND	ND			
Indeno(1,2,3-cd) pyrene		ND			
Isophorone	. ND	ND			
Naphthalene	. ND	ND			
Nitrobenzene	. ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND ND	ND			
N-Nitrosdiphenylamine	ND	ND ·			
Phenenthrene	ND ND	ND			
Pyrene		ND			
1,2,4-Trichlorobenzene		ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
	Caldwell	Calchell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



# CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-83

1

COMPOUND (micrograms per liter)	12/12/85	11/08/85	DATE	SAMPLED	•••••
(miorograms par treet)	12/12/03	11/00/05			
Acenaph thene		ND			
Acenaphthylene		ND			
Anthracene		ND			
Benzidine	NO	ND			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	NO			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene		ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	NO	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	MD			
3,31-Dichlorobenzidine	ND	ND			
Diethyl phthalate		ND			
Dimethyl phthalate		ND			
Di-n-butyl phthalate		ND			
2,4-Dinitrotoluene		ND			
2,6-Dinitrotoluene		ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine		ND			
Fluoranthene		ND			
Fluorene	NO	ND			
Hexach Lorobenzene	ND	ND			
Hexachtorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Kexachloroethane		ND			
Indeno(1,2,3-cd) pyrene		ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	NO	ND			
N-Nitrosdiphenylamine	NO	ND			
Phenanthrene	ND	ND			
Pyrene	ND	ND			
1,2,4-Trichlorobenzene	ND	ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
		• • • • • • •			
,	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND	47/47/05		. DATE	SAMPLED	••••••
(micrograms per liter)	12/12/85	11/08/85			
Acenaph thene		ND			
Acenaphthylene		ND			
Anthrecene		ND			
Benzidine		ND			
Benzo(a)anthracene		ND			
Benzo(a)pyrene		ND			
3,4-Benzofluoranthene		ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene		ND			
Bis(2-chloroethoxy) methane		ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Sis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,31-Dichlorobenzidine	ND	ND			
Diethyl phthalate		ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate		ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
fluorene	ND	ND			
Hexachlorobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachtoroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	NO	NO			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine		ND			
N-Nitrosdiphenylamine	NO	ND			
Phenanthrene	ND	ND			
Pyrene	ND	ND			
1,2,4-Trichlorobenzene	NO	ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
	Caldwell	Caldwell			
		SELUNG!!			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND (micrograms per liter)	12/12/85	11/08/85	DATE	SAMPLED	******	• • • • • • • • • • • • • • • • • • • •	• • • •
Acenaphthene	ND	ND					
Acenaphthylene	ND	ND					
Anthracene	ND	ND					
Benzidine	ND	ND					
Benzo(a)anthracene	ND	ND					
Benzo(a)pyrene	ND	ND					
3,4-Benzofluoranthene	ND	ND					
Benzo(ghi)perylene	ND	ND					
Benzo(k)fluoranthene	ND	ND					
Bis(2-chloroethoxy) methane	ND	ND					
Bis(2-chloroethyl) ether	ND	ND					
Bis(2-chloroisopropyl) ether	ND	ND					
Bis(2-ethylhexyl) phthalate	ND	ND					
4-Bromophenyl phenyl ether	ND	ND					
Butyl benzyl phthalate	ND	ND					
2-Chloronaphthalene	ND	ND					
4-Chlorophenyl phenyl ether	ND	ND					
Chrysene	ND	ND					
Dibenzo(a,h)anthracene	ON CAN	ND					
1,2-Dichlorobenzene	ND	ND					
1,3-Dichlorobenzene	ND	ND					
1,4-Dichlorobenzene	ND	ND					
3,3'-Dichlorobenzidine	ND	ND					
Diethyl phthalate	ND	NO					
Dimethyl phthalate	ND	ND					
Di-n-butyl phthalate	ND	ND					
2,4-Dinitrotoluene.	ND	ND					
2,6-Dinitrotoluene	ND	ND					
Dirn-octyl phthalate	ND	ND					
1,2-Diphenylhydrazins	ND	ND					
Fluoranthene	ND	ND					
Fluorene	ND	ND					
Hexach Lorobenzene	ND	ND					
Hexachlorobutadiene	ND	ND					
Hexachlorocyclopentadiene	ND CM	ND					
Hexachloroethane	ND	ND					
Indeno(1,2,3-cd) pyrene	ND	ND					
Isophorone	ND	ND					
Naphthalene	ND	ND					
Nitrobenzene	ND	ND					
N-Nitrosdimethylamine	ND	ND					
N-Nitrosdi-n-propylamine	ND	ND					
N-Nitrosdiphenylamine	ND	ND					
Phenanthrene	ND	ND					
Pyrene	ND	ND					
1,2,4-Trichlorobenzene	ND	ND					
EPA Hethod Number	625	625					
Laboratory	Brown &	Brown &					
	Caldwell	Caldwell					

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND .	10/10/05	07/04/9E	DATE	SAMPLED	••••••	••••
(micrograms per liter)	10/10/85	07/01/85				
Acenaphthene	ND	NO				
Acenaphthylene	ND	ND				
Anthracene	ND	NO				
Benzidine	ND	NO				
Benzo(a)anthracene	ND	NO				
Benzo(a)pyrene	ND	NO				
3,4-Benzofluoranthene	ND	NO				
Benzo(ghi)perylene	ND	ND				
Benzo(k)fluoranthene	ND	ND				
Bis(2-chloroethoxy) methane	ND	ND				
Bis(2-chloroethyl) ether	ND	NO				
Bis(2-chloroisopropyl) ether	ND	NO				
Bis(2-ethylhexyl) phthalate	ND	ND				
4-Bromophenyl phenyl ether	ND	ND				
Butyl benzyl phthalate	ND	NO				
2-Chloronaphthalene	ND	NO				
4-Chlorophenyl phenyl ether	ND	ND				
Chrysene	MD	ND				
Dibenzo(a,h)anthracene	ND	ND				
1,2-Dichlorobenzene	ND	NO				
1,3-Dichlorobenzene	ND	ND				
1,4-Dichlorobenzene	ND	NO				
3,31-Dichlorobenzidine	ND	ND				
Diethyl phthalate	ND	ND				
Dimethyl phthalate	ND	ND				
Di-n-butyl phthalate	ND	ND				
2,4-Dinitrotoluene	ND	ND				
2,6-Dinitrotoluene	ND	ND				
Di-n-octyl phthalate	ND	ND				
1,2-Diphenylhydrazine	ND	ND				
Fluoranthene	ND	ND				
Fluorene	ND	ND				
Hexach Lorobenzene	ND	ND				
Hexachlorobutadiene	ND	ND				
Hexachlorocyclopentadiene	ND	NO				
Hexachloroethane	ND	ND				
Indeno(1,2,3-cd) pyrene	ND	ND				
Isophorone	10	ND				
Naphthalene	ND	ND				
Nitrobenzene	ND	NO				
N-Nitrosdimethylamine	ND	NO				
N-Nitroadi-n-propylamine	NO	ND				
N-Nitrosdiphenylamine	10	NO				
Phenanthrene	ND	ND				
Pyrene	ND	NO				
1,2,4-Trichlorobenzene	MD	ND				
EPA Method Number	625	625				
Laboratory	Brown &	McKeeson				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

COMPOUND .		SAMPLED
(micrograms per liter)	10/09/85	
Acenephthene	ND	
Acenephthylene	ND	
Anthracene	ND	
Benzidine	MD	
Benzo(a)anthracene	MD	
Benzo(a)pyrene	NO	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	ND	
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	ND	
2-Chloronaphthalene	ND	
4-Chiorophenyi phenyi ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	NO	
1,4-Dichlorobenzene	ND	
3,3'-Dichlorobenzidine	ND	
Diethyl phthalate	ND	
Dimethyl phthalate	NO	
Oi-n-butyl phthalate	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthalate	ND	
1,2-Diphenythydrazine	MO	
Fluoranthene	ND	
fluorene	ND	
Hexach Lorobanzene	ND	
Hexach Lorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexachloroethane	NO	
Indeno(1,2,3-cd) pyrene	ND	
I sophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	
N-Nitrosdimethylamine	ND	
N-Nitroedi-n-propylamine	ND	
N-Kitrosdiphenylamine	NO	
Phenenthrene	NO	
Pyrene	NO	
1,2,4-Trichtorobenzene	NO	
EPA Method Number	425	
Laboratory	Brown &	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-8 UPPER

1

COMPOUND (micrograms per liter)	DATE SAMPLED . 04/05/86	• • •
Acenephthene	MD	
Acenaphthylene		
Anthracene		
Benzidine	ND	
Benzo(a)anthracene	ND	
Benzo(a)pyrene		
3,4-Benzofluoranthene		
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane		
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	ND ND	
2-Chloronaphthalene	MD	
4-Chlorophenyl phenyl ether	ND	
Chrysene	MD	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND D	
1,4-Dichlorobenzene	ND ND	
3,3'-Dichtorobenzidine		
Diethyl phthalate	MD	
Dimethyl phthalate	ND	
Di-n-butyl phthalate	MD	
2,4-Dinitrotoluene	. ND	
2,6-Dinitrotoluene	, NO	
Di-m-netal mathemate	ND	
Di-n-octyl phthalate	ND	
Fluoranthane	. NO	
Fluorene		
Hexach Lorobenzene		
Hexachlorobutadiene		
Hexachlorocyclopentadiene		
Hexachloroethane		
Indeno(1,2,3-cd) pyrene		
Isophorone	ND	
Naphthalene	ND	
Nitrobenzene	ND	
N-Nitroadimethylamine	ND	
N-Nitrosdi-n-propylamine	ND	
N-Nitrosdiphenylamine		
Phenanthrene		
Pyrene	. NO	
1,2,4-Trichlorobenzene	MD	
EPA Method Number	625	
Laboratory	Brown &	
	Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE D-32

COMPOUND . (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	••••
Acenaphthene	ND	ND			
Acenaphthylene	ND	ND			
Anthracene	ND	ND			
Benzidine	ND	NO			
Benzo(a)anthracene	ND	NO			
Benzo(a)pyrene	ND	ND			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	MD			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronephthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
	ND	ND ND			
Chrysene		ND			
Dibenzo(a,h)anthracene	ND				
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,31-Dichlorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	MD			
Di-n-octyl phthalate	ND	MD			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
Fluorene	ND	ND			
Hexach (orobenzene	MD	NÖ			
Mexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	NÖ			
Hexachloroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	MD			
N-Nitroedimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND	ND			
K-Witrosdiphenylamine	ND ND	ND ON			
Phenanthrene	ND ON	ND			
Pyrene	ND ND	ND ND			
1,2,4-Trichlorobenzene	ND	ND			
EDA Machael Number	495	/98			
EPA Method Number	625	625			
Laboratory	Brown & Caldwell	Brown & Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND .	DATE SAMPLED
(micrograms per liter)	10/10/85
Acenaph thene	MD
Acenaphthylene	ND
Anthracene	ND
Benzidine	ND
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
3,4-Benzofluoranthene	ND
Benzo(ghi)perylene	ND
Benzo(k)fluorenthene	ND
Bis(2-chloroethoxy) methane	ND
Bis(2-chloroethyl) ether	ND
Bis(2-chloroisopropyl) ether	ND
Bis(2-ethylhexyl) phthalate	ND
4-Bromophenyl phenyl ether	ND
Butyl benzyl phthalate	CM
2-Chloronaphthalana	ND
4-Chlorophenyl phenyl ether	ND
Chrysene	NO
Dibenzo(a,h)anthracene	NO
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	NO
3,3'-Dichlorobenzidine	ND
Diethyl phthalate	ND
Dimethyl phthalate	ND
Di-n-butyl phthalate	ND
2,4-Dinitrotoluene	ND
2,6-Dinitrotoluene	ND
Di-n-octyl phthalate	ND
1,2-Diphenylhydrazine	ND
Fluoranthene	ND
Fluorene	ND
Hexach Lorobenzene	ND
Hexach Lorobutadiana	ND
Mexachlorocyclopentadiene	ND
Hexachloroethane	ND
Indeno(1,2,3-cd) pyrene	ND
Isophorone	ND
Naphthalene	ND
Nitrobenzene	NO
N-Nitrosdimethylamine	ND
N-Nitroedi-n-propylamine	ND
N-Nitroediphenylamine	NO .
Phenenthrene	MD
Pyrene	MD MD
EPA Method Number	625
Laboratory	Brown &

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND .		SAMPLED
(micrograms per liter)	10/09/85	
Acenaphthene	ND	
Acenephthylene	ND	
Anthracene	ND	
Benzidine	ND	
Benzo(a)anthracene	MD	
Benzo(a)pyrene	NO	
3,4-Benzofluoranthene	NO	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	NO	
Bis(2-chloroethyi) ether	MO	
Bis(2-chloroisopropyl) ether	NO	
Bis(2-ethylhexyl) phthalate	NO	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthelate	ND	
2-Chloronephthalene	NO .	
4-Chlorophenyl phenyl ether	NO	
Chrysene	NO.	
Dibenzo(a,h)anthracene	NO	
1,2-Dichlorobenzene	NO	
1,3-Dichlorobenzene	110	
1,4-Dichlorobenzene	ND	
3,31-Dichlorobenzidine	NO	
Diethyl phthalate	NO	
Dimethyl phthalate	ND	
Di-n-butyl phthalate	MD	
2,4-Dinitrotoluene	NO.	
2,6-Dinitrotoluene	NO	
Di-n-octyl phthalate	NO	
1,2-Diphenylhydrazine	NO	
Fluoranthene	NO	
Fluorene	MD	
Hexachlorobenzene	NO NO	
Hexachtorocyctopentadiene	MD	
Hexachi oroethane	ND ND	
Indeno(1,2,3-cd) pyrene	ND	
Isophorone	ND ND	
Haph the lene	NO NO	
Nítrobenzene	NO	
N-Mitrosdimethylamine	NO NO	
N-Nitrosdi-n-propylamine	ND	
N-Nitrosdiphenylamine	NO	
Phenenthrene	MD	
Pyrene	NO NO	
1,2,4-Trichlorobenzene	NO	
EPA Method Number	625	
Laboratory	Brown &	
	Calchell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND (micrograms per liter)	08/28/85 DATE SAMPLED	• •
Acenaphthene	ND	
Acenaphthylene	ND	
Anthracene	ND	
Benzidine	MO	
Benzo(a)anthracene	ND	
Benzo(a)pyrene	ND	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	ND	
Bis(2-chloroethyl) ether	ND	
Bis(2-chloroisopropyl) ether	ND	
Bis(2-ethylhexyl) phthalate	NO	
4-Bromophemyl phemyl ether	ND	
Butyl benzyl phthalate	ND	
2-Chloronaphthalane	ND	
4-Chlorophenyl phenyl ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	NO	
1,4-Dichlorobenzene	ND	
3,31-Dichlorobenzidine	ND	
Diethyl phthalate	NO	
Dimethyl phthalate	ND	
Di-n-butyl phthalate	NO NO	
2,4-Dinitrotoluene	NO	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthelate	ND	
1,2-Diphenylhydrazine	ND	
Hexach Lorobenzene.	ND	
Hexachtorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexach Loroethane	ND	
Indeno(1,2,3-cd) pyrene	MD	
Isophorone	ND	
Naphthalene	ND	
Ni trobenzene	MD	
N-Nitrosdimethylamine	ND	
N-Nitrosdi-n-propylamine	ND ·	
N-Nitrosdiphenylamine	···	
Phenenthrene	ND ND	
Pyrene	ND ND	
1,2,4-Trichlorobenzene	NO .	
EPA Nethod Number	625	
Laboratory	Brown &	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND . (micrograms per liter)	01/09/86	12/12/85	DATE	SAMPLED	••••••
Accession	NO	· ND			
Acenaphthene	ND	ND			
Anthracene					
	NO	ND			
Benzidine	ND	ND			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	ND			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	NC			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,3'-Dichlorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotaluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
Fluorene	ND	CM			
Hexach Lorobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachioroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Mitrosdi-n-propylamine	ND	ND			
N-Nitrosdiphenylamine	NO	ND			
Phenanthrene	ND	NO			
Pyrene	ND	ND			
1,2,4-Trichlorobenzene	ND	ND			
EPA Method Number	625	625			
	UE.	~~~			
Laboratory	Brown &	Brown &			

<sup>(</sup>  $^{\circ}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $^{\circ}$  - ) = Not enalyzed



COMPOUND .	AF (AB (B)	04/09/86	DATE	SAMPLED	***************************************
(micrograms per liter)	05/08/86	V4/VY/80			
Acenaph thene	ND	МО			
Acenaphthylene	ND	NO			
Anthracene	ND	ND			
Senzidine	ND	ND			
Benzo(a)anthracene	NO	ND			
Benzo(a)pyrene	ND	ND			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	NO			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthelate	NO	ND			
2-Chloronaphthalane	ND	ND			
4-Chiorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,3'-Dichlorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthelate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluorenthene	ND	ND			
Fluorene	ND	ND			
Rexach (orobenzene	ND	ND			
Mexachlorobutadiene	ND	ND			
Hexachiorocyclopentadiene	ND	ND			
Hexachloroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND	ND			
H-Nitrosdiphenylamine	ND	NO			
Phenanthrene	ND	ND			
1,2,4-Trichlorobenzene	ND ND	ND ND			
rysy - resulted occurrences accessors and	NU	RV			
EPA Method Number	625	625			
ELU LARGIAN LARGE CONTRACTOR CONT					
Laboratory	Brown &	Brown &			

<sup>(</sup>  $^{\circ}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $^{\circ}$  -) = Not analyzed



COMPOUND	•••••		DATE	SAMPLED	***************************************
(micrograms per liter)	05/08/86	05/09/85			
Acenaphthene		ND			
Acenaphthylene		ND			
Anthracene		ND			
Benzidine		ND			
Benzo(a)anthracene	. ND	ND			
Benzo(a)pyrene	. ON	ND			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyi phenyi ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,3'-Dichlorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate		ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
fluoranthene	ND	ND			
Fluorene		ND			
Kexachiorobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachiorocyclopentadiene	ND	ND			
Hexachloroethane		ND			
Indeno(1,2,3-cd) pyrene		ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitroadi-n-propylamine	ND	ND			
N-Nitrosdiphenylamine	ND	ND			
Phenanthrene	ND	ND			
Pyrene	ND	ND			
1,2,4-Trichlorobenzene	ND	ND		٦	
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
	Calchell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND			DATE	SAMPLED	••••••
(micrograms per liter)	05/08/86	05/09/85			
Acenaphthene	ND	ND			
Acenaphthylene	ND	. ND			
Anthracene	ND	ND			
Benzidine	ND	ND			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	ND			
3,4-Benzofluoranthene	ND	NO			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalane	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	· ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,31-Dichlorobenzidine	ND	ND			
Diethyl phthalate	CIN	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluorenthene	ND	ND			
Fluorene	ND	ND			
Hexachi orobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachloroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	ND	ND ND			
Nitrobenzene	ND	ND D			
N-Ni trosdimethylamine	ND D	ND GN			
N-Nitrosdi-n-propylamine					
N-Nitrosdiphenylamine	ND	ND			
Phenanthrene	ND	ND ND			
	ND	•••			
Pyrene	ND ND	ND ND			
1, 5, 4-11 10110100012010	NU	NU			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
-	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	•••••
Acenaphthene	ND	ND			
Acenaph thy lene	ND	ND			
Anthracene	ND	ND			
Benzidine	ND	NO			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	ND			
3,4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	ND	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	CM	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	МО			
2-Chloronaphthalene	ND	ND			
4-Chiorophenyi phenyi ether	ND	ND			
Chrysene	MD	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	ND	ND			
3,3'-Dichlorobenzidine	NO	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	NO			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
Fluorene	ND	ND			
Hexachi orobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachloroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
Isophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND	ND			
N-Nitrosdiphenylamine	DK	ND			
Phenanthrene	ND ND	ND ND			
1,2,4-Trichlorobenzene	ND ND	ND ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
	2. Vm ( 4	21 VPI - W			

<sup>(\*) =</sup> Less than; numerical value is the Limit of Detection for that compound (\*\*\*) = Not analyzed



COMPOUND			DATE SAI	MPLED	• • • • • • • • • • • • • • • • • • • •
(micrograms per liter)	05/08/86	05/09/85			
Acenaph thene	ND	ИD			
Acenaphthylene	ND	ND			
Anthracene	ND	ND			
Benzidine	ND	ND			
Benzo(a)anthracene	ND	ND			
Benzo(a)pyrene	ND	ND			
3.4-Benzofluoranthene	ND	ND			
Benzo(ghi)perylene	HD	ND			
Benzo(k)fluoranthene	ND	ND			
Bis(2-chloroethoxy) methane	ND	ND			
Bis(2-chloroethyl) ether	ND	ND			
Bis(2-chloroisopropyl) ether	ND	ND			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	ND	ND			
Butyl benzyl phthalate	ND	ND			
2-Chloronaphthalene	ND	ND			
4-Chlorophenyl phenyl ether	ND	ND			
Chrysene	ND	ND			
Dibenzo(a,h)anthracene	ND	ND			
1,2-Dichlorobenzene	ND	ND			
1,3-Dichlorobenzene	ND	ND			
1,4-Dichlorobenzene	NĎ	ND			
3,31-Dichlorobenzidine	ND	ND			
Diethyl phthalate	ND	ND			
Dimethyl phthalate	ND	ND			
Di-n-butyl phthalate	ND	ND			
2,4-Dinitrotoluene	ND	ND			
2,6-Dinitrotoluene	ND	ND			
Di-n-octyl phthalate	ND	ND			
1,2-Diphenylhydrazine	ND	ND			
Fluoranthene	ND	ND			
Fluorene	ND	ND			
Hexachlorobenzene	ND	ND			
Hexachlorobutadiene	ND	ND			
Hexachlorocyclopentadiene	ND	ND			
Hexachioroethane	ND	ND			
Indeno(1,2,3-cd) pyrene	ND	ND			
[sophorone	ND	ND			
Naphthalene	ND	ND			
Nitrobenzene	ND	ND			
N-Nitrosdimethylamine	ND	ND			
N-Nitrosdi-n-propylamine	ND	ND			
N-Nitrosdiphenylamine	ND	ND			
Phenanthrene	ND	ND			
Pyrene	ND	ND			
1,2,4-Trichlorobenzene	ND	ND			
EPA Method Number	625	625			
Laboratory	Brown &	Brown &			
	Caldwell	Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound
(---) = Not analyzed



#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 1

COMPOLIND	<b></b>		DATE	SAMPLED			
(micrograms per liter)	05/08/86	05/09/85	VAIL	aren CED	••••••	•••••••	••••••
Acenaphthene	un.						
Acenaphthylene	ND ND	ND ND					
Anthracene	NO	ND ND					
Benzidine	ND ND	NO NO					
Benzo(a)anthracene	ND	ND ND					
Benzo(a)pyrene.	NO NO	ND ND					
3,4-Benzofluoranthene	ND	MD					
Benzo(ghi)perylene	ND ND	ND ND					
Benzo(k)fluoranthene	MD	ND					
Bis(2-chloroethoxy) methane	NO.	MD MD					
Bis(2-chloroethyl) ether	MD.	ND					
Bis(2-chloroisopropyl) ether	ND	ND ND					
Bis(2-ethylhexyl) phthalate	MD	MO					
4-Bromophenyl phenyl ether	ND	ND ND					
Sutyl benzyl phthalate	ND						
2-Chloronaphthalene	ND	ND ND					
4-Chlorophenyl phenyl ether	MD	ND ND					
Chrysene	ND	ND ND					
Dibenzo(a,h)anthracene	MO	MO					
1,2-Dichlorobenzene	ND	ND ND					
1,3-Dichlorobenzene	ND						
1,4-Dichlorobenzene	::-	NO					
3,3'-Dichtorobenzidine	ND ND	ND					
Diethyl phthalate		MD					
Dimethyl phthalate	ND MD	NO MO					
Di-n-butyl phthalate	NO NO	ND					
2,4-Dinitrotoluene	•••	ND					
2,6-Dinitrotoluene	MD	HO					
Ni-n-netvi shehalata	ND	ND					
Di-n-octyl phthalate	ND ND	ND					
Fluoranthene	MD	NO					
Fluorene	MD	ND					
Hexachlorobenzene	MD	ND					
Hexachlorobutadiene	MD	ND					
Hexachlorocyclopentadiene	ND	NO NO					
Heynohlonenehene	NO	NO					
Hexachloroethane	MD	NO					
Indeno(1,2,3-cd) pyrene	NO	NO					
Isophorone	MD	NO					
Naphthalene	ND	NO NO					
Nitrobenzene	ND	NO 					
N-Nitrosdimethylamine	NO	NO					
N-Nitroadi-n-propylamine	NO	NO					
N-Nitroediphenylamine	ND	NO					
Phenanthrene	ND	MD					
Pyrene	ND	NO					
1,2,4-Trichlorobenzene	NO	MD					
EPA Method Number	625	625					
Laboratory	Brown &	Brown &					
	Calchell	Calchell					

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 2

COMPOUND			DATE	EMPLED	••••••
(micrograms per liter)	05/08/86	05/09/85			
Acenephthene	ND	MD			
Acenephthylene	HD	10			
Anthrecene	100	10			
Benzidine	NO	10			
Benzo(a)anthracene	NO	ND .			
Benzo(a)pyrene	MD	WD			
3,4-Banzof Lubranthane		ND .			
Benzo(ghi)perylene	NO	<b>III</b>			
Benzo(k)fluoranthene	110	NO.			
Bis(2-chlorosthoxy) methene	NO	10			
Bis(2-chloroethyl) ether	110	10			
Bis(2-chloroisepropyl) ether	110	100			
Bis(2-ethylhexyl) phthelate	10	100			
4-Bromophenyl phenyl ether	10	10			
Butyl benzyl phthelete	110	100			
2-Chioronaphthelane	110	100			
4-Chlorophenyl phenyl ether	NO	WD			
Chrysene	10	NO.			
Oibenzo(a,h)anthracene	MD	<b>10</b>			
1,2-Dichlorebenzene	110	100			
1,3-01chlorebenzene	HD	100			
1,4-DickLorobenzone	10	ND .			
3,3'-Dichlorobenzidine	<b>XD</b>	WD.			
Diethyl phtholate	NO.	100			
Dimethyl phthelate	10	10			
Di-n-butyl phthelate		100			
2,4-Dinitrotoluene	10	100			
2,6-Dinitrotolume	100	10			
Di-n-ectyl phthelate	100	10			
1,2-Diphenylhydrazine	10	10			
Fluoranthene	10	100			
Fluorene.	10	100			
Hexach Lerobensens	10	100			
Hexach Lerebutediene	10	10			
Hexaeki aracysi apantadi are		10			
Hexach Lorenthane	110	100			
Indeno(1,2,3-od) pyrene	100	100			
Isopherene	_	100			
Hephthelene	HD HD	100			
Hitrobangene	160	10			
N-Ni treediaethyl anine	100	<b>10</b>			
U-Ni treedi -n-prepylanine	100	10			
Phenenthrens	100				
		<b></b>			
Pyrene					
1,6,7-1710101010000000000000000000000000000	MD:	110			
SPA Nothed Water	625	425			
Laboratory	Brown & Coldwell	tran i			

<sup>(-) \*</sup> Less then; reserved value is the Limit of Detection for that compound (---) \* Not analyzed

#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 12

COMPOUND			DATE	SAMPLED	***************************************
(micrograms per liter)	95/96/86	05/09/85			
Aceneph thene	ND	ND			
Aconophthylane	ND	NO			
Anthrecene	HD	MD			
Benzidine	HD	ND			
Benze(e)enthrecene	HD.	HD .			
Bense(a)pyrene	ND	MD			
3,4-Bengofluorenthene	ND NO	HD .			
Benze(ghi)perylene	HD	ND			
Benzo(k)fluorantheno	MD	MD			
Bis(2-chieresthemy) methens	MD	ND			
Bis(2-chloroethyl) ether	IID	NO			
Bis(2-chloroisepropyl) ether	ND	NO			
Bis(2-othylhenyl) phthelete	ND	NO			
4-Bransphenyl phonyl ether	ND	ND			
Butyl benzyl phtholate	ND	NO			
2-Chieronephtheiene	MD	NO			
4-Chlorophonyl phonyl ethor	ND	NO			
Chrysene	NO	NO.			
Dibanco(a,k)anthraceno	ND	NO.			
1,2-Dichlerobenzene	ND	HD .			
1,3-Dichlerebensene	HD	NO			
1,4-Dichtorobenzene	ND	NO			
3,3'-Dichlersbenzidine	ND	ND			
Diethyl phtholote	ND	ND			
Dimethyl phthelete	ND	HD			
Di-n-butyl phthelate	ND	ND			
2,4-Dinitroteluene	MD	NO			
2,6-Dinitroteluene	ND	10			
Dira cetyl phtholote	140	140			
1,2-Diphenylhydrasine	ND	HD			
Fluorantheno	ND	HD.			
Fluorene	HØ	<b>10</b>			
Menach Lenabonsone	ND	HD.			
Menach Lerobytadiene	ND	NO			
Hencehleresystepantadiene	HD.	MD .			
Herach Loresthans	110	110			
Indene(1,2,3-cd) pyrene	100	10			
Isopherene	ND	MD			
Hephthelene	100	ND			
Hitrobensens	NO	NO			
U-Hitreedimethylamine	ND N	NO			
H-Hitroodi-n-propylamine	HD .	HD			
N-Nitreadiphenylanine	HD	NO			
Phenenthrene	HD.	HØ			
Pyrone	110	HØ			
1,2,4-Trichlerchercere	100	MD			
SPA Nothed Matter	625	425			
Laboratory	Brown &	Brown &			
	Coldmil	Coldwell			

<sup>(-) =</sup> Loss then; remarked value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed



COMPOUND (micrograms per liter)

#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #1

EPA Method Number Laboratory	625 Brown & Calchell
ERA Mathad Number	498
· , p. ; · · · · · · · · · · · · · · · · · ·	₩.
1,2,4-Tricklorebenzene	NO NO
Phenenthrene	MD MD
N-Nitreediphenylamine	MD
N-Nitroedi-n-propylamine	ND
N-Nitroedimethylamine	NO
li i trobenzene	ND
Haphtha Lane	ND
l saphorane	ND
Indeno(1,2,3-cd) pyrene	ND
Hexachloroethane	ND
Hexachiorocyclopentadiene	. NO
Hexach i orobutadi ene	. ND
Hexach Lorobenzene	MD
Fluorene	
1,2-Diphenylhydrazine	
Di-n-octyl phthelate	
2,6-Dinitrotoluene	. ND
2,4-Dinitrotoluene	
Di-n-butyl phthelete	MD
Dimethyl phthalate	, ND
Diethyl phthalate	MD
3,3'-Dichlorobenzidine	
1,3-Dichlorobenzene	NO 10
1,2-Dichiorobenzene	67
Dibenzo(a,h)anthracene	NO_
Chrysene	ND
4-Chlorophenyl phenyl ether	ND
2-Chloronephthalene	ND
Butyl benzyl phthalate	ND
4-Bromophenyl phenyl ether	MD
Bis(2-ethylhexyl) phthalate	ND
Bis(2-chloroisopropyl) ether	MD
Bis(2-chloroethoxy) methane Bis(2-chloroethyl) ether	. ND NO
Benzo(k)fluorenthene	
Benzo(ghi)perylene	NO
3,4-Benzofluoranthene	. ND
Benzo(a)pyrene	, ND
Benzo(a)anthracene	
Benzidine	
Anthracene	. MO
Acenaphthylene	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed



#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #2

COMPOUND (micrograme per liter)	10/11/85	08/25/85	DATE 06/30/85
Acanachthana	. MD	ND	ND
Acenaphthene		ND OM	NO NO
Anthracene	, ND	MD	ND
Benzidine		MD	ND
Benzo(a)anthracene		MD	ND
Benzo(a)pyrene		ND	MD
3,4-Benzofluoranthene	, ND	ND	ND
Benzo(ghi)perylane	ND	ND	ND
Benzo(k)fluorenthene	. ND	ND	MD
Bis(2-chloroethoxy) methane	. ND	MD	MD
Bis(2-chloroethyl) ether	ND	ND	ND
Bis(2-chloroisopropyl) ether	MD	ND	ND
Bis(2-ethylhexyl) phthalate	NO.	ND	NO
4-Bromophenyl phenyl ether	MD	ND	ND
Butyl benzyl phthalate	NO	ND	ND
2-Chloronaphthalene	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND
Chrysene	NO	MD	MD
Dibenzo(a,h)anthracene	ND	ND	ND
1,2-Dichlorobenzene	ND ND	ND ND	ND
1,4-Dichlorobenzene	ND	ND ND	ND ND
3,3'-Dichlorobenzidine		ND ND	ND ND
Diethyl phthalate	. ND	ND ND	ND
Dimethyl phthalate	ND	NO	ND
Di-n-butyl phthalate		MO	MD
2,4-Dinitrotoluene	MD	MO	ND
2,6-Dinitrotoluene	, ND	ND	ND
Di-n-octyl phthalate	, ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND
Fluoranthene		NO	ND
Fluorene		ND	ND
Hexachlorobenzene	. ND	ND	ND
Hexach Lorobutadiene	. ND	NO	MD
Hexachiorocyciopentadiene	. ND	MD	MD
Hexachloroethane	. ND	ND	ND
Indeno(1,2,3-cd) pyrene	, ND	ND	ND
Isophorone	. ND	ND	ND
Naph that ene		NO	ND
Nitrobenzene	ND	NO	ND
N-Nitroedimethylamine	, ND	NO	ND
N-Nitroedi-n-propylamine	ND ND	ND	ND
N-Nitroediphenylamine	. ND	MD	ND
Phonenthrene		ND	MD
1,2,4-Trichlorobenzene	. 110	ND	ND
ा,क, र <sup>-</sup> ।। । <b>धारण काला ध्वास</b> ः	. ND	ND	NO
EPA Method Number	625	625	625
Laboratory	Brown &	Brown &	Brown &
	Calchell	Calchell	Calchell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



HARGIS + ASSOCIATES, INC.

SAMPLED .....

#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM DOCK 17 WELL

COMPOUND (micrograms per liter)	10/11/85 DATE
Acenaphthene	
Acenaphthylene	
Anthracene	
Benzo(a)anthracene	
Benzo(a)pyrene	
3,4-Benzofluoranthene	
Benzo(ghi)perylene	WD
Benzo(k)fluoranthene	
Bis(2-chloroethoxy) methane	
Bis(2-chloroethyl) ether	NO NO
Bis(2-ethylhexyl) phthelate	<b>10</b>
4-Bromophenyl phenyl ether	NO.
Butyl benzyl phthalate	ND
2-Chloronephthalene	ND
4-Chiorophenyl phenyl ether	ND
Chrysene	NO
Dibenzo(a,h)anthracene	NO
1,2-Dichlorobenzene	MD
1,3-Dichlorobenzene	ND ND
3,3'-Dichlorobenzidine	
Diethyl phthalate	. NO
Dimethyl phthalate	. NO
Di-n-butyl phthalate	. 110
2,4-Dinitrotoluene	. 110
2,6-Dinitrotoluene	. 10
Di-n-octyl phthelate	. 10
1,2-Diphenythydrazine	. NO . NO
Fluorene	
Mexach Lorobenzene	
Hexach Lorobutadiene	. 160
Hexachlorocyclopentadiene	. 10
Hexach Loroethane	. 10
Indeno(1,2,3-cd) pyrene	. <b>ND</b>
Isophorone	. 10
Henchesters	. MD . MD
Hitrobentone	. 190 . NO
N-Hitradi-n-prepylanine	. 10
N-Nitreediphenylanine	. <b></b>
Phenenthrone	. #0
Pyrane	. ND
1,2,4-Trichlerebenzene	. 10
EPA Nethed Number	425
Laboratory	Brown &
•	Caldwell

<sup>(</sup>  $\cdot$  ) = Loss than; numerical value is the Limit of Detection for that compound (  $\cdot\cdot\cdot$  ) = Not analyzed



SAMPLED .....

(micrograms per liter)  Acenephthene	12/11/85	06/30/85		
Acerentthene				
ACARACH TRACA				
		ND		
Acenephthylene		ND		
Anthracene		ND		
Senzidine		ND		
Benzo(a)anthracene	• • • • • • • • • • • • • • • • • • • •	1100		
Benzo(a)pyrene		1500		
3,4-Benzofluoranthene	ND	1500		
Benzo(ghi)perylene	MD	1600		
Benzo(k)fluoranthene		MD		
Sis(2-chieroethoxy) methere	100	MD		
Bis(2-chloroethyl) ether	. 100	ND		
Bis(2-chloroisopropyl) ether	. 100	MD		
Bis(2-ethylhexyl) phthalate		NC		
4-Bromophenyl phenyl ether		ND		
Butyl benzyl phthelete		NO		
2-Chloreneghthalene		NO.		
4-Chiorophenyi phenyi ether		MD		
Chrysene		NO.		
Dibenzo(a,h)anthracene.		NO.		
1,2-Dichlorobenzene		ND		
1,3-Dichlorobenzene				
		NO.		
1,4-Dicklorobenzene		NO		
3,3'-Dichlorobenzidine		ND		
Diethyl phthelate		NO		
Dimethyl phthalate		NO		
Di-n-butyl phthelate	ND	NO		
2,4-Dinitrotoluene		ND		
2,6-Dinitrotolume		WD		
Di-n-ectyl phthelate		NO		
1,2-Diphenylhydrazine		ND		
Fluoranthene	10	1 200		
fluorene	110	NO.		
Hexach Lorobensone		160		
Hexach Lorobutadiene	NO	NO		
Nexach Lorecyc Lapentadiene		MD		
Kexach ( orgethane		MD		
Indene(1,2,3-cd) pyrene	110	1300		
Isopherene		MD		
Maph that one		ND		
Ni trobengane		WD		
N-Ni treedimethylamine	100	WD		
H-Hitredi-n-prepylamine	100	100 100		
N-Ni treedishery ismine.	100			
Phenenthrene	• • • • • • • • • • • • • • • • • • • •	100		
	• • • • • • • • • • • • • • • • • • • •	70C		
1,2,4-Trichtersbensone	160	1600 ND		
EPA Nothed Number	425	625		
EPA Nothed Number	625 Brown &	625 Brown &		

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM ST. 5 OUTFALL

COMPOUND (micrograms per liter)	10/11/85	05/01/85	. DATE	SAMPLED	•••••
Acenephthene	MD	NO			
Acenaphthylene	NO	ND			
Anthracene	ND	ND			
Benzidine	NO	NO			
Benzo(a)anthracene	ND	ND			
Senzo(a)pyrene	NO	NO			
3,4-Benzofluoranthene	MD	NO			
Benzo(ghi)perylene	NO	ND			
Benzo(k)fluorenthene		NO			
Bis(2-chloroethoxy) methane	ND	NO			
Bis(2-chloroethyl) ether	NO	NO			
Bis(2-chloroisopropyl) ether	ND	NO			
Bis(2-ethylhexyl) phthalate	ND	ND			
4-Bromophenyl phenyl ether	NO	NO			
Butyl benzyl phthalate	ND	NO			
2-Chioronaphthalane	NO	NO			
4-Chlorophenyl phenyl ether	ND	MD			
Chrysene	ND	NO			
Dibenzo(a,h)anthracene	NO	NO			
1,2-Dichlorobenzene	ND	NO			
1,3-Dichlorobenzene	ND	ND			
1.4-Dichlorobenzene	NO	MD			
3.31-Dichlorobenzidine	NO	NĎ			
Diethyl phthalate	ND	ND			
Dimethyl phthelate		ND			
Di-n-butyl phthelate		NO			
2,4-Dinitrotaluene		MD			
2,6-Dinitroteluene		ND			
Di-n-ectyl phthelate		NO			
1,2-Diphenythydrazine	ND	NO			
Fluoranthene.		NO			
fluorene	ND	NO			
Hexach Lorobenzone		MD			
Hexach Lorobutadione		MO			
Hexach (erosyc (opentad) one		MÖ			
Hexach Lorosthana		MD			
Indeno(1,2,3-od) pyrene		NO			
isopherene		MD			
Nephthelene		MO			
Hitrobensene		MÔ			
N-Nitraedimethylamine		NO			
N-Nitreedi-n-propylamine	100	NO NO			
H-Hitradighanyianing		MO			
Phenenthrene		ND			
Pyrene		110			
1,2,4-Trichlerobencene		MD			
EPA Nothed Number	425	625			
EPA Nothed Number	625 Brown &	625 Brown &			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed



HARGIS + ASSOCIATES, INC.

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#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM COOLING TOWER INFLUENT

COMPOUND (micrograms per liter)	10/11/85	SAMPLED
(miorograms per vicer)	10, 11,03	
Acenaph thene		
Acenaphthylene	. ND	
Anthrecene		
Benzidine	. ND	
Benzo(a)anthracene	. ND	
Benzo(a)pyrene	. ND	
3,4-Benzofluoranthene	. NO	
Benzo(ghi)perylene	ND	
Benzo(k)fluoranthene		
Ris(2-chloroethoxy) methene		
Bis(2-chloroethyl) ether	NO	
Bis(2-chloroisopropyl) ether	NO	
Bis(2-ethylhexyl) phthelate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	NO	
2-Chloronephthalene	NO	
4-Chlorophenyl phenyl ether	ND	
Chrysene	NO	
1,2-Dichlorobenzene	ND . 10	
1,3-Dichlorobenzene	. 10 MD	
1,4-Dichtorobenzene	MO	
3,3'-Dichlorobenzidine	•••	
Diethyl phthalate		
Dimethyl phthelate		
Di-n-butyl phthelate		
2,4-Dinitrotoluene		
2,6-Dinitrotoluene		
Di-n-octyl phthelete		
1,2-Diphenylhydrazina		
Fluorenthene		
Fluorene	. ND	
Nexach Lorobanzane	. ND	
Hexach Lorobutadiene	. NO	
Hexach Lorocyc Lopentadiene		
Nexach Loroethane		
Indeno(1,2,3-cd) pyrene		
Isopherene	. NO	
Naphthalane	. NO	
Hitrobensene	. ND	
H-Hitreadimethylamine	. 10	
N-Nitroadi-n-propylanine	. NO	
N-Nitroediphenylamine	. 110	
Phenenthrene		
1,2,4-Trichlorobenzene		
EPA Hethed Number	625	
Laboratory	eco Brown &	
	Calchell	

<sup>(-) =</sup> Loss then; numerical value is the Limit of Detection for that compound (---) = Not analyzed



#### CONCENTRATION OF BASE/NEUTRAL ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM COOLING TOWER EFFLUENT

COMPOUND (micrograms per liter)	10/11/85	SARVLED
Aceneph thene	. ND	
Acenephthylene		
Anthracene		
Benzidine		
Benzo(a)anthracene		
Benzo(a)pyrene		
3,4-Benzof Luoranthene	. ND	
Benzo(ghi)perylene	. NO	
Benzo(k)fluoranthene		
Bis(2-chloroethoxy) methane	. ND	
Bis(2-chloroethyl) ether	· MD	
Bis(2-chloroisopropyl) ether	ND ND	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	MD.	
Butyl benzyl phthalate	ND	
2-Chleneneshebelene	NO	
2-Chloronaphthalene	ND	
4-Chlorophenyl phenyl ether		
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichtorobenzene	ND	
1,3-Dichlorobenzene		
1,4-Dichlorobenzene		
3,3'-Dichlorobenzidine	. ND	
Diethyl phthalate	- NO	
Dimethyl phthalate	- ND	
Di-n-butyl phthalate	• ND	
2,4-Dinitrotoluene	- ND	
2,6-Dinitrotoluene	- ND	
Di-n-octyl phthalate	. ND	
1,2-Diphenythydrazine	• ND	
Fluorenthene	. ND	
Fluorene	. ND	
Hexachlorobenzene	. ND	
Hexachlorobutadiene	. NO	
Hexachlorocyclopentadiene		
Hexach Loroethane	. ND	
Indeno(1,2,3-cd) pyrene	. ND	
I sophorone	. ND	
Naphthalene		
Nitrobenzene		
N-Nitroedimethylamine	. ND	
N-Nitroedi-n-propylamine	. ND	
N-Nitrosdiphenylamine	. NO	
Phenenthrene		
Pyrene		
1,2,4-Trichlorobenzene	ND ND	
EPA Method Number	625	
Laboratory	oes Brown &	
	Caldwell	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND . (micrograms per liter)	DATE SAMPLED
Acenaphthene	ND
Acenaphthylene	ND
Anthracene	ND
Benzidine	MD
Senzo(a)anthracene	# <b>D</b>
Benzo(a)pyrene	ND
3,4-Benzofluoranthene	NO
Benzo(ghi)perylene	ND
Benzo(k)fluoranthene	NO
Bis(2-chloroethoxy) methane	NO
Bis(2-chloroethyl) ether	NO NO
Bis(2-chloroisopropyl) ether	ND
Bis(2-ethylhexyl) phthalate	NO NO
4-Bromophenyl phenyl ether	NO NO
	ND
Butyl benzyl phthalate	ND
2-Chloronaphthalene	ND
4-Chlorophenyl phenyl ether	MD
Dibenzo(a,h)anthracene	ND
	ND ND
1,2-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
3,3'-Dichlorobenzidine	ND
	ND
Diethyl phthalate	ND
Di-n-butyl phthalate	ND
	ND ND
2,4-Dinitrotoluene	ND ND
Di-n-octyl phthalate	NO NO
1,2-Diphenylhydrazine	ND
Fluoranthene	ND
Fluorene	ND
Hexach Lorobenzene.	ND
Hexachlorobutadiene	ND
Hexachlorocyclopentadiene	ND
Hexach Loroethane.	ND
Indeno(1,2,3-cd) pyrene	ND
Isophorone	NO
Nachthalene.	ND
Nitrobenzene.	ND
N-Nitrosdimethylamine	ND
N-Nitrosdi-n-propylamine	ND
N-Nitrosdiphenylamine	ND
Phenenthrene	ND
Pyrene	ND
1,2,4-Trichlorobenzene	ND
EPA Method Number	625
Laboratory	Brown &

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND . (micrograms per liter)	10/12/85 DATE SAMPLED
Acenaph thene	ND
Acenaphthylene	ND
Anthracene	ND
Benzidine	ND
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
3,4-Benzofluoranthene	ND
Benzo(ghi)perylene	NO
Benzo(k)fluoranthene	NO
Bis(2-chloroethoxy) methane	ND
Bis(2-chioroethyl) ether	ND
Bis(2-chloroisopropyl) ether	ND
Bis(2-ethylhexyl) phthalate	ND
4-Bromophenyl phenyl ether	NO
Butyl benzyl phthalate	ND
2-Chloronaphthalene	ND
4-Chlorophenyl phenyl ether	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichtorobenzene	ND
3,3'-Dichlorobenzidine	ND
Diethyl phthalate	ND
Dimethyl phthalate	ND
Di-n-butyl phthalate	ND .
2,4-Dinitrotoluene	ND
2,6-Dinitrotoluene	ND
Di-n-octyl phthalate	ND
1,2-Diphenylhydrazine	ND
Fluoranthene	ND
Fluorene	ND
Hexach Lorobenzene	ND
Hexach l orobutadi ene	ND
Hexachlorocyclopentadiene	ND
Hexachloroethane	ND
Indeno(1,2,3-cd) pyrene	ND
Isophorone	ND
Waphthalene	NO
Nitrobenzene	ND
N-Nitroedimethylamine	ND
N-Nitroedi-n-propylamine	ND
N-Nitroediphenylamine	NO
Phenenthrene	NO
Pyrene	ND
1,2,4-Trichlorobenzene	ND
EPA Nethod Number	425
Laboratory	Brown &

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



COMPOUND	10/12/PE	• •
(micrograms per liter)	10/12/85	
Acenephthene	MD	
Acenaphthylene	NO	
Anthrecene	NO	
Benzidine	NO NO	
Senzo(a)anthracene	NO	
Benzo(a)pyrene	ND	
3,4-Benzofluoranthene	MD	
Benzo(ghi)perylene	NO	
Senzo(k)fluorenthene	NO	
Sis(2-chloroethoxy) methene	NO NO	
Bis(2-chloroethyl) ether	NO	
Bis(2-chloroisopropyl) ether	NO	
Bis(2-ethylhexyl) phthalate	NO	
4-Bromophenyl phenyl ether	NO	
Sutyl benzyl phthelate	NO	
2-Chioronaphthaiane	110	
4-Chlorophenyl phenyl ether	NO	
Chrysene	NO	
Dibenzo(a,h)anthracene	NO	
1,2-Dichlorobenzene	HC	
1,3-Dichlorobenzene	<b>10</b>	
1,4-Dichlorobenzene	NO	
3,3'-Dichlorobenzidine	NC	
Diethyl phthalate	NO	
Dimethyl phthelate	NO	
Di-n-butyl phthelate	ND	
2,4-Dinitrotoluene	ND	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthelete	NO	
1,2-Diphenylhydrazine	<b>II</b>	
fluoranthene	<b>IIO</b>	
Fluorene	<b>10</b>	
Hexach Lorobansane	NO	
Nexachlorobutadiene	NO	
Mexachlorocyclopentadiene	ND	
Hexachloroethene	ND	
Indeno(1,2,3-cd) pyrene	NO.	
Isophorone	<b>10</b>	
Naphthelene	NO	
Nitrobenzene	<u></u>	
N-Nitroedimethylamine	<b>10</b>	
N-Nitroedi-n-propylamine		
N-Nitroediphenylamine		
Phenanthrene		
Pyrene	10	
1,2,4-Trichlorobenzene	¥ <b>0</b>	
EPA Hethed Number	425	
EPA Nothed Number	625 Brown &	

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed

COMPOUND (micrograms per liter)	10/12/85	DATE	SAMPLED	••••••
Aceneph thene	ND			
Acenephthylene	MD			
Anthrecene	NO			
Benzidine	NO			
Benzo(a)anthracene	NO			
Benzo(a)pyrene	NO			
3,4-Benzofluoranthene	NO			
Benzo(ghi)perylene	ND			
Benzo(k)fluorenthene	NO			
Bis(2-chloroethoxy) methane	NO			
Bis(2-chloroethyl) ether	NO			
Bis(2-chloroisopropyl) ether	NO			
Bis(2-ethylhexyl) phthelate	ND			
4-Bromophenyl phenyl ether	NO			
Butyl benzyl phthelete	NO			
2-Chloronephthelene	NO			
4-Chlorophenyl phenyl ether	MD			
Chrysene	ND			
Dibenzo(a,h)anthrecene	NO			
1,2-Dichlorobenzene	ND			
1,3-Dichlorobengene	NO			
1,4-Dichlorobenzene	NĎ			
3,3'-Dichlorobengidine	ND			
Diethyl phthelate	NO			
Dimethyl phthalate	MD			
Di-n-butyl phthelate	NO			
2,4-Dinitrotoluene	NO			
2,6-Dinitrotoluene	MD			
Di-n-octyl phthelate	NO			
1,2-Diphenythydrazine	NO			
Fluorenthene	ND			
Fluorene	NO			
Hexach Lorebenzene	NO			
Hexach I orebuted i ene	NO			
Hexachi eracyclepentadiene	NO			
Mexachi ercethere	NO			
Indene(1,2,3-cd) pyrene	ND			
Isophorone	NO			
Haphtheliane	ND			
Mitrobanzone	ND			
N-Nitroddimethylamine	ND			
M-Mitreedi-n-propylamine	NO			
W-Witresdiphenylamine	100			
Phenenthrene	ND			
Pyrone	NO			
1,2,4-Trichlorobenzene	ND			
EPA Nothed Number	625			
Laboratory	Brown &			
	Calchell			

<sup>(</sup>  $\dot{}$  ) = # Less then; numerical value is the Limit of Detection for that compound (  $\dot{}$  ) = Net analyzed

COMPOUND . (micrograms per liter)	10/12/85 DATE SAMPLED	••••
Acenaphthene	NO	
Acenaphthylene	NO	
Anthracene	ND	
Benzidine	NO	
Benzo(a)anthracene	NO	
Benzo(a)pyrene	NO	
3,4-Benzofluoranthene	ND	
Benzo(ghi)perylene	NO	
Benzo(k)fluoranthene	ND	
Bis(2-chloroethoxy) methane	NO 	
Bis(2-chloroethyl) ather	ND	
Bis(2-chloroisopropyl) ether	NO	
Bis(2-ethylhexyl) phthalate	ND	
4-Bromophenyl phenyl ether	ND	
Butyl benzyl phthalate	ND	
2-Chloronaphthalene	ND	
4-Chlorophenyl phenyl ether	ND	
Chrysene	ND	
Dibenzo(a,h)anthracene	ND	
1,2-Dichlorobenzene	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
3,31-Dichlorobenzidine	ND	
Diethyl phthalate	ND NO	
Dimethyl phthelate	ND	
Di-n-butyl phthalate	ND ND	
2,4-Dinitrotoluene	ND ND	
2,6-Dinitrotoluene	ND	
Di-n-octyl phthalate	ND	
1,2-Diphenylhydrazine	ND	
Fluorene	ND	
Kexach (orobenzene	ND	
Hexach lorobutadiene	ND	
Hexachlorocyclopentadiene	ND	
Hexach Loroethane.	ND	
Indeno(1,2,3-cd) pyrene	ND	
Isophorone	ND	
Naghthalene	ND	
Nitrobenzene	ND	
N-Nitrosdimethylamine	ND	
N-Nitroedi-n-propylamine	ND	
N-Nitrosdiphenylamine	ND	
Phenenthrene	ND	
Pyrene	NO	
1,2,4-Trichlorobenzene	ND	
E/A Method Number	625	
Laboratory	Brown &	
·	Caldwell	

<sup>(</sup>  $\dot{}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $\dot{}$  ) = Net analyzed



HARGIS - ASSOCIATES 1

#### APPENDIX E

RESULTS OF AMALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS

IN WATER SAMPLES COLLECTED FROM MONITOR WELLS

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#### APPENDIX E

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#### TABLE E-1

# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-7

COMPOUND (micrograms per liter)	06/30/85 DATE SAMPLED	•••••
2-Chlorophenol	MD ·	
2,4-Dichlorophenol	MO	
2,4-Dimethylphenol	160	
4,6-Dinitro-2-methylphenol	MO	
2,4-Dinitrophenol	MO	
2-Nitrophenol	МО	
4-Nitrophenol	MD	
p-Chloro-m-cresol	MC	
Pentachlorophenol	MC	
Phenol	MO	
2,4,6-Trichlorophenol	MD	
EPA Method Number	625 Brown & Caldwell	
(a) a loss them summing we	lum is the limit of Detection for that commund	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed

TABLE E-1 (CONTINUED)
RESULTS OF ANALYSES FOR EPA PRIORITY
ACID ORGANIC COMPOUNDS IN WATER
SAMPLES COLLECTED FROM HM-7

compound (micrograms per liter)	04/05/86	01/11/86	DATE 12/11/85	SAMPLED 11/07/85	10/10/85	08/25/85
2-Chlorophenal	WD	NB	160	160	110	ND
2,4-Dichlorophenol	100	•	MD	NO	W	WD
2,4-Dimethylphonol	29	230	130	<b>35</b> 0	480	97
4,6-Dinitro-2-methylphenol	100	ND	NO	NO	NO	NO
2,4-Dinitrophenol	NO	MD	ND	ND	NO	NO
2-Nitrophenol	HD	ND	Ю	МО	MD	MD
4-Nitrophenol	ND	ND	ND	МО	ND	MD
p-Chlore-m-cresol	MO	MD	MD	MD	MD	MD
Pentach Loropheno L	MO	NO	MO	ND	MO	NO
Phenol	MD	MO	NO	NO	MO	NO
2,4,6-Trichlorophenol	NO	MD	ND	NO	NO	NO
EPA Method Mumber	625 Brown & Caldwell					

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not enalyzed



# TABLE E-2 RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-38

COMPOUND (micrograms per liter)	10/10/85	06/30/85	DATE	SAPLED	••••••	•••••	. <b>.</b>
2-Chlorophenol	10	100					
2,4-Dichloraphenol	110	MD .					
2,4-Dimethylphenol	MO	MD					
4,6-Dinitro-2-methylphenol	ND	MD					
2,4-Dinitrophenol	NO.	NO					
2-Nitrophenol	NO	NO					
4-Hitrophenol	MO	NO					
p-Chloro-m-cresol	NO	NO					
Pentachlorophenol	MO	MO					
Phenol	MD	NO					
2,4,6-Trichlorophenol	NÖ	NO					
EPA Method Humber	625 Brown & Caldwell	625 Brown & Caldwell					

<sup>(-)</sup>  $\approx$  Less than; numerical value is the Limit of Detection for that compound (---)  $\approx$  Not analyzed



## TABLE E-3 RESULTS OF ANALYSES FOR SPA PRIORITY ACID ORGANIC COMPOUNDS

corrects (micrograms per liter)	06/36/85
2-Chi erephenel	
2,4-91ahlaraphanal	
2,4-9 lasthylphenol	
4,4-9 initro-2-methyl phonol	
2,4-Binitrophonol	•••
2-Hitrophenol	
4-Witrephenol	
p-Chiere-e-cresel	10
Pentachi orephenel	
Phenoi	u6
2,4,6-Trichtorophenet	MD
EPA Method Number	625 McKeeson

<sup>(</sup>  $\cdot$  ) = Less than; numerical value is the Limit of Detection for that compound (  $\cdot\cdot\cdot$  ) = Not analyzed



HARGIS + ASSOCIATES, INC.

### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-77

COMPOUND (micrograms per liter)	10/9 <b>9/8</b> 5	SAMPLED
2-Chilorophonol	10	
2,4-Dichlerephenel	100	
2,4-Dimethylphenol	10	
4,6-Dinitro-2-methylphonol	10	
2,4-Dinitrophenol	NO	
2-Hitrophonel	NO	
4-Hitrophenol	ND	
p-Chloro-m-cresol	NO	
Pentachi orophenol	MD	
Phenol	MO	
2,4,6-Trichlorophenol	MD	
EPA Method Number		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-78

COMPOUND (micrograms per liter)	10/12/85	SAMPLED
2-Chiorophenol	. мо	
2,4-Dichlorophenol	. мо	
2,4-Dimethylphenol	. мо	
4,6-Dinitro-2-methylphenol	. мо	
2,4-Dinitrophenol	. но	
2-Nitrophenol	. мо	
4-Nitrophenol	. мо	
p-Chloro-m-cresol	. мо	
Pentachi orophenoi	. NO	
Phenol	. NO	
2,4,6-Trichlorophenol	. NO	
EPA Method Number		

<sup>(</sup>  $\cdot$  ) = Less than; numerical value is the Limit of Detection for that compound ( $\cdot \cdot \cdot$  ) = Not analyzed



# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-82

COMPOUND (micrograms per liter)	10/12/85 DATE	SAMPLED
2-Chlorophenol	. 110	
2,4-Dichlorophenol	. 10	
2,4-Dimethylphenol	. 110	
4,6-Dinitro-2-methylphenol	. 110	
2,4-Dinitrophenol	. 10	
2-Nitrophenol	. но	
4-Nitrophenol	. NO	
p-Chioro-m-cresol	. ND	
Pentachlorophenol	. но	
Phenot	. но	
2,4,6-Trichlorophenol	. NO	
EPA Method NumberLaboratory	* - * * * -	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE E-7

# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM HM-83

COMPOUND (micrograms per liter)	12/12/85	11/08/85	SAMPLED
2-Chlorophenol	ND	NO	
2,4-Dichlorophenol	MD	ND	
2,4-Dimethylphenol	ND	NO	
4,6-Dinitro-2-methylphenol	NO	NO	
2,4-Dinitrophenol	NO	MD	
2-Mitrophenol	ND	MO	
4-Nitrophenol	NO	MD	
p-Chloro-m-cresol	ND	MD	
Pentachlorophenol	ND	NO	
Phenoi	MD	MD	
2,4,6-Trichlorophenol	NO	NO	
EPA Method Number	625 Brown & Caldwell	625 Brown & Caldwell	

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM

concus (micrograms per liter)	12/12/85		. DATE	SAMPLED	 •
2-Chi orephenei	•	•			
2,4-Dichlerephenel	•••	•			
2,4-Dimethylphenol	•	•			
4,6-Dinitro-2-authylphenol	•	•			
2,4-Dinitrephenol	•	100			
2-Witrephenel	•	•			
4-Witrephanol	140	WD			
p-Chloro-a-crosol	10	₩0			
Pentachlorophenol	NO	MD			
Phanol	NC	MD			
2,4,6-Trichlorophenol	NO	MD			
EPA Method Number		625 Brown & Calchell			

<sup>( ) =</sup> Less than; numerical value is the Limit of Detection for that compound  $(\cdots)$  = Not analyzed



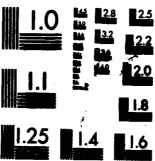
TABLE E-9

RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS
IN WATER SAMPLES COLLECTED FROM
HM-85

COMPOUND (micrograms per (iter)	12/12/85	11/08/85	SAMPLED
2-Chiorophenoi	NO	ND	
2,4-Dichlorophenol	NO	ND	
2,4-Dimethylphenol	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
2,4-Dinitrophenol	ND	ND	
2-Nitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
p-Chloro-m-cresol	ND	ND	
Pentachlorophenol	ND	ND	
Phenol	ND	ND	
2,4,6-Trichlorophenol	DM	ND	
EPA Method Number	625 Brown & Caldwell	625 Brown & Caldwell	

<sup>(-) \*</sup> Less than; numerical value is the Limit of Detection for that compound (---) \* Not analyzed

HATER QUALITY DATA: US AIR FORCE PLANT NUMBER 4 FORT HORTH TEXAS(U) HARGIS AND ASSOCIATES INC LA JOLLA CA AD-A189 246 4/4 UNCLASSIFIED F/G 24/4 NL



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### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-6 UPPER

COMPOUND (micrograms per liter)	07/01/85	DATE	SAMPLED .	•••••••••••••••••••••••••••••••••••••••	•••
2-Chlorophenol	NO				
2,4-Dichlorophenol	NO				
2,4-Dimethylphenol	NO				
4,6-Dinitro-2-methylphenol	NO				
2,4-Dinitrophenol	MO				
2-Nitrophenol	NO				
4-Nitrophenol	NO				
p-Chloro-m-cresol	ND				
Pentachlorophenol	ND				
Phenol	ND				
2,4,6-Trichlorophenol	NO				
EPA Method Number	625 McKesson				

<sup>(</sup>  $^{\circ}$  ) = Less than; numerical value is the Limit of Detection for that compound (  $^{\circ}$  -) = Not analyzed

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## RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-8 UPPER

COMPOUND (micrograms per liter)	04/05/86	DATE	SAMPLED	•••••••	•••••
2-Chlorophenol	. NO				
2,4-Dichlorophenol	. но				
2,4-Dimethylphenol	. NO				
4,6-Dinitro-2-methylphenol	. мо				
2,4-Dinitrophenol	, 110				
2-Nitrophenol	. NO				
4-Nitrophenol	. MD				
p-Chloro-m-cresol	. ND				
Pentachlorophenol	. ND				
Phenol	, MD				
2,4,6-Trichlorophenol	, MD				
EPA Method NumberLaboratory	625 . Brown & . Celdwell				
(-) = Less than; numerical v	ralue is the Limit of	f Detection for t	hat compound	I	



TABLE E-12

#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-8 MIDDLE

COMPOUND (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	••••••	••••••
2-Chlorophenol	ND	ND				•
2,4-Dichlorophenol	ND	ND				
2,4-Dimethylphenol	ND	ND				
4,6-Dinitro-2-methylphenol	ND	ND				
2,4-Dinitrophenol	ND	ND				
2-Nitrophenol	ND	ND				
4-Nitrophenol	NO	ND				
p-Chloro-m-cresol	ND	ND				
Pentachlorophenol	ND	ND				
Phenol	ND	ND				
2,4,6-Trichlorophenol	ND	ND				
EPA Method Number		625 Brown & Calchiell				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-12 UPPER

COMPOUND (micrograms per liter)	01/09/86	DATE 12/12/85	SAMPLED
2-Chlorophenol	ND	ND	
2,4-Dichlorophenol	ND	МО	
2,4-Dimethylphenol	ND	MD	
4,6-Dinitro-2-methylphenol	ND	NO	
2,4-Dinitrophenol	ND	NO	
2-Nitrophenol	ND	ND	
4-Nitrophenol	NO	ND	
p-Chloro-m-cresol	ND	NO	
Pentachlorophenol	ND	MO	
Phenot	ND	NO	
2,4,6-Trichlorophenol	ND	NO	
EPA Nethod Number		625 Brown & Caldwell	

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

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#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM P-13 UPPER

COMPOUND (micrograms per liter)	04/09/86 DATE	SAMPLED
2-Chlorophenol	NO	
2,4-Dichlorophenol	ND	
2,4-Dimethylphenol	MO	
4,6-Dinitro-2-methylphenol	ND ·	
2,4-Dinitrophenol	ND	
2-Nitrophenol	МО	
4-Nitrophenol	MD	
p-Chloro-m-cresol	NO	
Pentachlorophenol	МО	
Phenol.,	ND	
2,4,6-Trichlorophenol	но	
EPA Method Number	625 Brown & Caldwell	
(-) = Less than; numerical v	alue is the Limit of Detection for	that compound

(-) \* Less than; numerical value is the Limit of Detection for that compound (---) \* Not enalyzed

## RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-1

COMPOUND (micrograms per liter)	05/08/86	05/09/85	. DATE	SAMPLED
2-Chlorophenol	ND	ND		
2,4-Dichlorophenol	NO	ND		
2,4-Dimethylphenol	ND	ND		
4,6-Dinitro-2-methylphenol	ND	ND		
2,4-Dinitrophenol	ND	ND		
2-Nitrophenol	ND	NĐ		
4-Nitrophenol	ND	ND		
p-Chloro-m-cresol	NO	NO		
Pentachlorophenol	NO	ND		
Phenol	ND	NO		
2,4,6-Trichlorophenol	NO	ND		
EPA Method Number Laboratory	625 Brown & Calchell	625 Brown & Caldwell		

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

## RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-2

COMPOUND (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	•••••••••••••••••••••••••••••••••••••••
2-Chlorophenol	ND	, MD			
2,4-Dichlorophenol	ND	НО			
2,4-Dimethylphenol	ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND			
2,4-Dinitrophenol	MD	ND			
2-Nitrophenol	MD	ND			
4-Nf trophenol	NO	NO			
p-Chloro-m-cresol	NO	NO			
Pentachtorophenol	МО	ND			
Phenot	NO	ND			
2,4,6-Trichlorophenol	ND	NO			
EPA Method Number		625 Brown & Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

TABLE E-17

#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-3

COMPQUND (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	••••••
2-Chlorophenol	NO	MD			
2,4-Dichlorophenol	ND	ND			
2,4-Dimethylphenol	ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND			
2,4-Dinitrophenol	ND	ND			
2-Nitrophenol	ND	ND			
4-Nitrophenol	ND	ND			
p-Chloro-m-cresol	NO	ND			
Pentachlorophenol	ND	ND			
Phenol	MD	ND			
2,4,6-Trichlorophenol	MD	ND			
EPA Method Number		625 Brown & Caldwell			

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

## RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM EPA-4

COMPOUND (micrograms per liter)	05/08/86	05/09/85	. DATE	SAMPLED	••••••
2-Chlorophenol	ND	NO			
2,4-Dichlorophenol	NO	ND			
2,4-Dimethylphenol	ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND			
2,4-Dinitrophenol	ND	ND			
2-Nitrophenol	MD	MD			
4-Nitrophenol	ND	MD			
p-Chloro-m-cresol	ND	NO			
Pentachlorophenol	ND	MO			
Phenol	ND	ND			
2,4,6-Trichlorophenol	ND	NO			
EPA Method Number		625 Brown & Caldwell			

<sup>(-)</sup>  $\Rightarrow$  Less than; numerical value is the Limit of Detection for that compound (---)  $\Rightarrow$  Not analyzed



# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 1

COMPOUND (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	•••••	••••••
2-Chlorophenot	, ND .	ND				
2,4-Dichlorophenol	. ND	ND				
2,4-Dimethylphenol	, ND	ND				
4,6-Dinitro-2-methylphenol	. ND	ND				
2,4-Dinitrophenol	. ND	ND				
2-Nitrophenol	. ND	ND				
4-Nitrophenol	, ND	ND				
p-Chloro-m-cresol	. ND	ND				
Pentachlorophenol	. ND	ND				
Phenol	. ND	НО				
2,4,6-Trichlorophenol	. ND	ND				
EPA Method Number		625 Brown & Caldwell				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 2

COMPOUND (micrograms per liter)	05/08/86	05/09/85	. DATE	SAMPLED	 
2-Chlorophenol	ND	ND			
2,4-Dichtorophenol	МО	ND			
2,4-Dimethylphenol	MD	ND			
4,6-Dinitro-Z-methylphenol	. ND	ND			
2,4-Dinitrophenol	Ю	ND			
2-Nitrophenol	NO	NO			
4-Nitrophenol	NO	NO			
p-Chioro-m-cresol	ND	NO			
Pentachlorophenol	NO	HD			
Phenol	NO	МО			
2,4,6-Trichlarophenol	NO	ND			
EPA Method Number		625 Brown & Caldwell			

<sup>(-)</sup>  $\neq$  Less than; numerical value is the Limit of Detection for that compound (---)  $\neq$  Not analyzed

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TABLE E-21

# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM CITY OF WHITE SETTLEMENT WELL 12

COMPOUND (micrograms per liter)	05/08/86	05/09/85	DATE	SAMPLED	
2-Chlorophenol	ND	ND			
2,4-Dichlorophenol	. ND	ND			
2,4-Dimethylphenol	ND	ND			
4,6-Dinitro-2-methylphenol	NO	NO			
2,4-Dinitrophenol	ND	ND			
2-Nitrophenol	ND	ND			
4-Nitrophenol	ND	МО			
p-Chloro-m-cresol	ND	ND			
Pentachlorophenol	ND	ND			
Phenoi	ND	ND			
2,4,6-Trichlorophenol	ND	ND			
EPA Method Number		625 Brown & Caldwell			

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #1

COMPOUND (micrograms per liter)	12/11/85 DAT	E SAMPLED
2-Chiorophenoi	. ND	•
2,4-Dichlorophenol	. ND	
2,4-Dimethylphenol	. ND	
4,6-Dinitro-2-methylphenol	. ND	
2,4-Dinitrophenol	. ND	
2-Nitrophenol	. ND	
4-Nitrophenol	. ND	
p-Chloro-m-cresol	. ND	
Pentachlorophenol	. NO	
Phenol	. NO	
2,4,6-Trichlorophenol	. ND	
EPA Method Number		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed



#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #2

COMPOUND . (micrograms per liter)	08/25/85	DATE	SAMPLED	
2-Chlorophenol	МО			
2,4-Dichlorophenol	NO			
2,4-Dimethylphenol	NO			
4,6-Dinitro-2-methylphenol	NO			
2,4-Dinitrophenol	ND			
2-Nitrophenol	MD			
4-Mitrophenol	ND			
p-Chloro-m-cr <del>es</del> ol	MD			
Pentachlorophenol	MD			
Phenol	ND			
2,4,6-Trichlorophenol	ND			
EPA Method Number	625 Brown & Caldwell			

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed

#### RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM DOCK 17 WELL

COMPOUND (micrograms per liter)	10/09/85 DATE	SAMPLED
2-Chlorophenol	. ND	
2,4-Dichlorophenol	. мо	
2,4-Dimethylphenol	. ND	
4,6-Dinitro-2-methylphenol	, ND	
2,4-Dinitrophenol	. NO	
2-Nitrophenol	. NO	
4-Nitrophenol	. мо	
p-Chloro-m-cresol	. но	
Pentachlorophenol	. мо	
Phenol	. мо	
2,4,6-Trichlorophenol	. ND	
EPA Method Number Laboratory		

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

# RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM DRAIN PIPE

COMPOUND (micrograms per liter)	12/11/85 DATE	SAMPLED
2-Chlorophenol	ND	·
2,4-Dichlorophenol	. ND	
2,4-Dimethylphenol	. 10	
4,6-Dinitro-2-methylphenol	. ND	
2,4-Dinitrophenol	, ND	
2-Nitrophenol	. ND	
4-Nitrophenol	ND .	
p-Chloro-m-cresol	. NO	
Pentachiorophenol	. ND	
Phenol	, мо	
2,4,6-Trichlorophenol	, ND	
EPA Method Number		

<sup>(-) =</sup> Less then; numerical value is the Limit of Detection for that compound (---) = Not analyzed



## RESULTS OF ANALYSES FOR EPA PRIORITY ACID ORGANIC COMPOUNDS IN WATER SAMPLES COLLECTED FROM ST. 5 OUTFALL

COMPOUND (micrograms per liter)	05/01/85	DATE	SAMPLED	
2-Chlorophenoi	ND			
2,4-Dichlorophenol	MD			
2,4-Dimethylphenol	NO			
4,6-Dinitro-Z-methylphenol	MO			
2,4-Dinitrophenol	ND			
2-Nitrophenol	NO			
4-Nitrophenol	NO			
p-Chloro-m-cresol	ND			
Pentachlorophenol	MO			
Phenol	NO			
2,4,6-Trichlorophenol	MD			
EPA Method Number				

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

APPENDIX F

CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

HARGIS + ASSOCIATES, INC.

APPENDIX F

**CONTENTS** 

Table

CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED ORGANIC COMPOUNDS IN WATER SAMPLES

CONCENTRATION OF NONPRIORITY AND SENIQUANTIFIED ORGANIC COMPOUNDS IN WATER SAMPLES

SANPLE IDENTIFIER	DATE SAMPLED	CORGANIC COMPOUND	CONCENTRATION (ug/1)	EPA NETHOD NUMBER	LABORATORY**
HM-2	10-08-85	A butyl alcohol Isopropyl alcohol	986	624 624	ပ ပ ပ တ တ တ ထ ထ တ
<b>₩</b> -5	06-30-85 04-04-86	Tetrahydrofuran Tetrahydrofuran	300	624 624	) ) )   0
HH-7	06-30-85	Xylene isomers A Cl3 hydrocarbon Phenol derivative Total complex matrix	1,000 80 30 20,000	624 625 625 625	00000000000000000000000000000000000000
		An alcohol	30	625 625	၂ ပ <b>ဇ ဇ</b>
	08-25-85	Xylene isomers Total C8-30	400	624	B&C
		alcohol compounds	20,000	625	<b>B&amp;</b> C
	10-10-85	Xylene isomers	700	62 <b>4</b> 625	ು ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ ಕ
		A terpene	300	625	380 280
		Dimethylphenols	300	625	Båc
		Methylnaphthalene isomer Total C8-C30	20	625	8 <b>8</b> C
		acids and alcohols	30,000	625	B&C
	11-07-85	Isopropyl ether	100	624	B&C
		Xylene Isomers	650	624	B&C
		Trimethylcyclohexanemethano		625	Båc
		Alkyl phenol		625	B&C
		Dimethylphenols		625	8&C
		lotal to-tsu acid and alcohol matrix	10,000	625	<b>B&amp;</b> C

(-) = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

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SAMPLE	DATE	3	CONCENTRATION*	EPA METHOD	
IDENTIFIER	SAMPLED	ORGANIC COMPOUND	(L/6n)	NUMBER	LABORATORY**
HM-7	12-11-85	Propyl ether	100	624	B&C
		Tetrahydrofuran	100	624	<b>B&amp;</b> C
		Xylene	300	624	B&C
		A C8 ketone	01	624	B&C
		Alkyl cellosolve	20	625	B&C
			20	625	B&C
		A propanol derivative	20	625	B&C
		A terpenol	70	625	B&C
		Dimethylbenzoic acid	10	625	880
		Trimethylbenzene isomers	20	625	880
		Total complex matrix	10,000	625	B&C
		Unidentified matrix	. 20	625	B&C
	01-11-86	Cyclohexane	9	624	<b>B&amp;C</b>
		Methylcyclohexane	70	624	B&C
		Propyl ether	40	624	B&C
		Tetrahydrofuran	8	624	B&C
		Xylene Isomers	300	624	880
		A C7 ether	300	625	<b>88</b> C
		A cellosolve derivative	20	625	BAC
		Alkoxy propanol	20	625	B&C
		An unidentified compound	40	625	B&C
		Dimethylphenol isomers	100	625	B&C
		Trimethylbenzene isomers	50	625	<b>B&amp;C</b>
		Trimethylcyclohexane	200	625	B&C
		Total C8-C35 complex matrix	20,	625	B&C

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SENIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

LABORATORY**	ပပ္ပပ္ပပ္ပ ဆင္ဆန္ဆန္ဆန္ဆန္ဆ ထထ္ထထ္ထထ္ထထ္ထထ	B S C		B&C
EPA METHOD NUMBER	624 624 624 624 624 624 624	624	624 624 624 624 624 624	624
CONCENTRATION* (ug/l)	10 20 20 10 10 20 10 100	10	20 100 30 40 10 10 20	10
ORGANIC COMPOUND	Cyclohexane Dimethyl butane Isopropyl ether Methylcyclohexane Methyldioxolane Methyl sulfide Methylthioethane Oxathiolane Xylene isomers	Tetrahydrofuran	Tetrahydrofuran Tetrahydrofuran Tetrahydrofuran Tetrahydrofuran Tetrahydrofuran Tetrahydrofuran Tetrahydrofuran	Tetrahydrofuran
DATE SAMPLED	05-07-86	06-30-85	06-30-85 08-25-85 10-09-85 11-07-85 12-11-85 01-11-86 03-12-86 02-13-86 04-03-86 05-07-86	04-03-86
SAMPLE IDENTIFIER	F-7-	6-1	HM-10	HA-11

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

SAMPLE I <u>d</u> entifier	DATE	ORGANIC COMPOUND	CONCENTRATION* (ug/l)	EPA METHOD NUMBER	LABORATORY**
HH-19	06-30-85	lst unidentified compound lst sulfur containing	20	625	B&C
		punoduoo	100	625	B&C
		2nd unidentified compound	10	625	B&C
		Compound containing	10	625	B&C
		Tetramethyl butyl phenol	10	625	880
	08-25-85	Tetrahydrofuran	200	624	B&C
	08-56-85	Total of 4 unidentified			
		compounds	100	625	<b>8</b> &C
	10-09-85	1st unidentified compound	30	625	B&C
		2nd unidentified compound	20	625	B&C
		Sulfur containing compound	30	625	<b>8</b> 8C
	10-10-85	Tetrahydrofuran	300	624	B&C
	11-07-85	Tetrahydrofuran	300	624	B&C
	12-11-85	Tetrahydrofuran	100	624	<b>B&amp;C</b>
	01-11-86	Tetrahydrofuran	200	624	B&C
	03-12-86	Tetrahydrofuran	30	624	B&C
	04-06-86	Tetrahydrofuran	40	624	B&C
	05-07-86	Isopropanol	30	624	B&C
		Tetrahydrofuran	10	624	8&C
HM-21	06-30-85	lst unidentified compound	20	625	B&C
		1st sulfur containing compound		625	388 0
			•	629	کھر 1990
		2nd sulfur containing compound	IO 10	625	38
		Tetramethyl butyl phenol	10	625	BAC

<sup>(-) \*</sup> Less than; numerical value is the Limit of Detection for that compound ug/l \* Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF MONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

EPA METHOD NUMBER LABORATORY**		625 625 625 625 625 625 625 624 624 8&C 624 8&C 624 8&C 624	
CONCENTRATION* (ug/l)	100 30 20 20	gg gg gg	20 100 80 80 80 80 80 80 80 80 80 80 80 80 8
COI ORGANIC COMPOUND	Total of 4 unidentified compounds 1st unidentified compound 2nd unidentified compound	Sultur containing compound 1st unidentified compound 1st sulfur containing compound 2nd unidentified compound 3rd sulfur containing compound Unidentified compound Tetrahydrofuran	Methylisopropylether Isopropyl ether Isopropyl alcohol Methyl propyl ether Propane
DATE	08-26-85 10-09-85	12-11-85 03-12-86 04-08-86	05-07-86 10-08-85 04-05-86
SAMPLE IDENTIFIER	HM-21		HM-24

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California 4

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

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(-) = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

HARGIS + ASSOCIATES, INC.

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<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

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	<b>DATE SAMPLED</b> 01-10-86	ORGANIC COMPOUND A C8 branched hydrocarbon Cyclohexane Methylcyclohexane	CONCENTRATION* (ug/1) 100 400 400	EPA METHOD NUMBER 624 624 624	LABORATORY** B&C B&C B&C B&C
04-03-86	9	Methylcyclopentane 300 Xylene isomers 120 A C8 hydrocarbon 3,000 A C9 hydrocarbon 1,000 Methylcyclohexane 2,000 Methylkexane 1,000 Trimethylcyclohexane 3,000 Xylene isomers 400 Xylene isomers 400 A C10 alcohol C6-C15 total complex matrix 300,000 A C9 hydrocarbon 1,000 Methylnaphthalene isomers 500 Sulfur containing compound 500	x 300 1,000 3,000 1,000 3,000 1,000 500 500	624 624 624 625 625 625 625	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
10-09-85 04-07-86 06-29-85 04-05-86	សីសី សីសី	Tetramethyl butylphenol Tetrahydrofuran Tetrahydrofuran A C5 ether		625 624 624 624	88 88 88 0 0 0 88 0 0 0 88

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

**5.** 2

TRATION* NETHOD LABORATORY**	000 624 B&C B&C 000 624 B&C	624	625	625	625	625	625	624	624	624	625	625	625			625	624	624	624	624	624	767	<b>\$</b> 70	625	625 625 625	625 625 625	625 625 625 625	625 625 625 625 625	625 625 625 625 625	625 625 625 625 625 624
ORGANIC COMPOUND (49/1)	A C9 branched hydrocarbon 20,000 Methylcyclohexane 6.000		pou	A C12 hydrocarbon 5,000	)9 su		Unidentified compound 3,000		ne	•	alene isomers	s	mers	s	rs	8	ydrocarbon	hydrocarbon	hexane	hexane	2				aining aromatic	aining aromatic	alate fur containing aromatic cid hydrocarbon	aining aromatic bon ydrocarbons 4.00	alate fur containing aromatic cid hydrocarbon C8-C36 hydrocarbons 4,00	alate fur containing aromatic cid hydrocarbon C8-C36 hydrocarbons 4,00 pyl alcohol
DATE <u>Sampled</u>	06-30-85							10-10-85									01-12-86					04-07-86								10-08-85
SAMPLE IDENTIFIER	HM-38																												1	#-41

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

HARGIS + ASSOCIATES, INC. \* Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

SAMPLE	DATE	ORGANIC COMPOUND	CONCENTRATION* (ug/l)	EPA METHOD NUMBER	LABORATORY**
HM-45	06-29-85	Tetrahydrofuran	20	624	B&C
HM-46	10-08-85	Isopropyl alcohol	50	624	B&C
HM-50	10-11-85	1st unidentified compound 2nd unidentified compound 3rd unidentified compound Alkyl cyclohexane An aromatic compound A sulfur containing compound	7 10 10 10 10	625 625 625 625 625	သ ပ ပ ပ ပ ပ ဆ ဆ ဆ ဆ ဆ ထ ထ ထ ထ ထ
		Caprolactum Total complex matrix	700	625 625 625	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
H-51	06-26-85	A C10 alcohol Cyclohexane Unidentified compound	40 100 100	625 625 625	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
HM-53	08-28-85 10-10-85	Total C8-C35 aromatic compounds Cyclohexane Dimethylbutane Methylcyclohexane Methylhexane Tetramethyl pentane Isopentane Ethylcyclohexane A C8-C12 aromatic matrix	unds 400 500 40 300 30 80 80 200	625 624 624 624 624 624 625	သ သ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ ထ

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

I

SAMPLE IDENTIFIER	DATE	ORGANIC COMPOUND	CONCENTRATION* (ug/l)	EPA METHOD NUMBER	LABORATORY**
HM-53	10-10-85	Alkyl benzene	10	625	B&C
		Methylnaphthalene isomers	9	625	880
		Propenylbenzene	9	625	8&C
		Propylbenzene	9	625	BåC
		Tetramethylbenzene isomers	20	625	B&C
	01-10-86	A C9 branched hydrocarbon	20	624	B&C
		Cyclohexane	400	624	B&C
		Dimethylbutane	09	624	B&C
		Methylbutane	100	624	Bac
		Methylcyclohexane	100	624	B&C
	04-03-86	Dimethylbutane	8	624	B&C
		Dimethylpentene	09	624	B&C
		Isopentene	100	624	B&C
		Pentane	06	624	B&C
		Trimethylhexane	20	624	B&C
		Xvlene isomers	1.000	624	B&C
		Alkyl benzene	40	625	B&C
		Methylnaphthalene isomers	30	625	B&C
HM-55	08-56-85	Total C8-C15 aromatic compounds	unds 30	625	B&C

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

[

SAMPLE IDENTIFIER	DATE Sampled	ORGANIC COMPOUND	CONCENTRATION* (ug/1)	EPA METHOD NUMBER	LABORATORY**
HM-56	06-29-85	Cyclohexane Dimethylbutane	70 100	624 624	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		Dimethylcyclohexane	09	624	Bac
		Dimethylpentane	06.5	624	288 0
		Metnylcyclonexane Tetramethyl pentane	. 004	624 624	380 880 880
		Xvlene isomers	\$	624	Bac
		Isopentane	8	624	B&C
	10-11-85	Dimethylbutane	20	624	<b>8</b> &C
		Dimethylpentane	20	624	B&C
		Isopentane	20	624	<b>88</b> C
		Tetramethyl pentane	300	624	8 <b>\$</b> C
		Xylene isomers		624	<b>B</b> \$C
		Dimethylnaphthalene isomers	100	625	<b>8</b> %C
		Methylnaphthalene isomers		625	B&C
		Trimethylnaphthalene isomers		625	B&C
		Total C8-C15 hydrocarbons	20,02	625	<b>8</b> %C
	04-05-86	Trimethylhexane	20	624	ည်း
		Trimethylpentane	100	624	Bec
		<b>Tetramethylpentane</b>	200	624	B&C
HM-58	10-11-85	Caprolactum	20	625	B&C
HM-59	10-11-85	Caprolactum	40	625	B&C
09-₩H	10-12-85	Caprolactum	20	625	B&C
HM-62	10-10-85	Caprolactum	40	625	B&C

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3. <sub>\*\*</sub>;

HARGIS + ASSOCIATES, INC.

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/1 = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

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SAMPLE IDENTIFIER	DATE	ORGANIC COMPOUND	CONCENTRATION* (ug/l)	EPA METHOD NUMBER	LABORATORY**
HM-63	06-30-85	C5 hydrocarbon	200	624	B&C
		A C9 branched hydrocarbon	200	624	Bac
		Dimethylbutane	901	624	B&C
		Dimethylpentane	100	624	B&C
		Methylcyclopentane	200	624	B&C
		Isopentane	200	624	B&C
		Caprolactum	30	625	B&C
		Dihydro-1H-indene	10	625	B&C
	08-27-85	Tetramethyl pentane	9	624	B&C
	10-10-85	Tetramethyl pentane	92	624	B&C
		_	30	625	BåC
	04-06-86	Dimethylbutane	30	624	840
		Isopentane	20	624	BAC
		Methylcyclopentane	2	624	B&C
		Methylhexane	22	624	BAC
		Pentane	20	624	B&C
		<b>Tetramethylpentane</b>	20	624	B&C
HM-65	06-30-85	Tetrahydrofuran	20	624	840
	04-06-86	Tetrahydrofuran	10	624	B&C
HW-68	07-01-85	Caprolactum	10	625	B&C
•	04-08-86	Ethyl acetate	100	624	3 <b>8</b>
		Methyl isobutyl ketone	200	624	<b>B&amp;</b> C
HM-72	06-28-85	Tetrahydrofuran	20	624	BAC
HM-74	06-26-85	Tetrahydrofuran	9	624	B&C
FF-75	06-27-85	Tetrahydrofuran	2 2	624	BåC
	04-07-86	Tetrahydrofuran	10	624	<b>8</b> %C

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<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

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SAMPLE IDENTIFIER

HM-76

₩-78

LABORATORY***	ပ ပ ဆ ဆ ထ	) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )	U U U U U U U U U U U U U U U U U U U	
EPA METHOD NUMBER	624 624	624 624 624 624	624 624 624 624	624 624 624 625 625 625
CONCENTRATION* (ug/l)	50 10	3,000 3,000 3,000 500	2,000 2,000 1,000 200	2, 1, 300,
ORGANIC COMPOUND	Tetrahydrofuran Tetrahydrofuran	A C8 hydrocarbon Cyclohexane Methylcyclohexane Methylcyclopentane Trimethylcyclopentane	Trimethylhexane Xylene isomers Cyclohexane Cyclopentane Dimethylcyclohexane Methylcyclohexane	Methylcyclopentane Methylpentane Pentane Xylene isomers Dimethylnaphthalene isomers Methylnaphthalene isomers Trimethylnaphthalene isomers Total C6-C15 hydrocarbons
DATE Sanpled	06-27-85 04-03-86	07-01-85	10-12-85	

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HARGIS + ASSOCIATES, INC.

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

<sup>\*</sup> Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

TABLE F (continued)
CONCENTRATION OF NONPRIORITY AND SENIQUANTIFIED
ORGANIC COMPOUNDS IN WATER SAMPLES

EPA NETHOO NUMBER LABORATORY**		624 B&C 624 B&	624 B&C 624 B&C 624 B&C 624 B&C 624 B&C 624 B&C	624 B&C 624 B&C 624 B&C	625 B&C 625 B&C 625 B&C
CONCENTRATION* METH		2,100 2,000 4,000 2,000 7,000		40 30 10 6	10 20 40 6
ONC ORGANIC COMPOUND	ane e ydrocarbons 1	Aylene isomers A C8 branched hydrocarbon Cyclohexane Methylcyclohexane Methylcyclopentane	Ethylcyclohexane Cyclohexane Cyclohexane Methylcyclohexane Trimethylcyclohexane Trimethyl hexane Xylene isomers	Tetrahydrofuran Tetrahydrofuran Tetrahydrofuran	An unidentified compound Bromacil Diethvl tetrahydrofuran
DATE	12-12-85	01-10-86	98-80-90	12-11-85 01-10-86 04-07-86	11-08-85
SAMPLE IDENTIFIER	HH-78			HM-80	HH-83

<sup>(-) -</sup> Less than; numerical value is the Limit of Detection for that compound ug/l - Micrograms per liter

HARGIS + ASSOCIATES, INC. \* Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C \* Brown and Caldwell Laboratories, Pasadena, California

CONCENTRATION OF NONPRIORITY AND SEMIQUANTIFIED ORGANIC COMPOUNDS IN WATER SAMPLES

SAMPLE IDENTIFIER	DATE Sampled	ORGANIC COMPOUND	CONCENTRATION* (ug/l)	EPA METHOO NUMBER	LABORATORY**
<b>FB</b> -83	12-12-85	A chlorinated compound Bromacil Diethyl tetrahydrofuran	0 0 0	625 625 625	388 388 388 388
HH-84	11-08-85	A chlorinated compound An unidentified compound Bromacil Diethyl tetrahydrofuran A chlorinated compound Bromacil	0 2 3 3 5 1 0 1 0 0 1 0 1 0 0 0 0 1 0 0 0 0 1 0	625 625 625 625 625 625	) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )
HM-85	11-08-85	Bromacil	20	625	B&C
COOLING TOWER EFFLUENT	10-11-85	A brominated compound Butyl cellosolve	20 10	625 625	88C 84C
COOLING TOWER INFLUENT	10-11-85	Unidentified compound	10	625	В&С
CREEK STATION C-5	12-11-85	Methyl ethyl ketone	10	624	В&С
DOCK 17 WELL	10-09-85	lst unidentified compound 2nd unidentified compound A brominated compound A chlorinated compound Diethyl tetrahydrofuran	10 40 30 30	625 625 625 625 625	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

HARGIS + ASSOCIATES, INC. \* Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

CONCENTRATION OF NOMPRIORITY AND SENIQUANTIFIED ORGANIC COMPOUNDS IN WATER SAMPLES

SAMPLE	DATE SAMPLED	ORGANIC COMPOUND	CONCENTRATION* (ug/1)	EPA METHOD NUMBER	LABORATORY**
DRAINPIPE	12-11-85	Xylene isomers A terpenol Total C8-C35 hydrocarbons	100 20 10,000	624 625 625	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
FRENCH DRAIN #1	02-11-85	Total unidentified compounds Tetramethyl butyl phenol	nds 60 10	625 625	3 8 8 8 8
FRENCH DRAIN #2	06-30-85 08-25-85	C8-C35 hydrocarbons Brominated alkyl pyrimidinedione	10,000,000 30	625 625	2 2 3 8 B B
P-6 UPPER	07-01-85 10-10-85 01-10-86 04-04-86	Xylene isomers Xylene isomers A C8 hydrocarbon An unidentified matrix Xylene isomers	10 10 10 10 10	624 625 625 625 624	ပ္သပ္သပ္သပ္သ နွေ ဆို ဆို ဆို ဆို ဆို ဆို ဆို ဆို
P-8 UPPER	04-05-86	Unidentified compound	80	625	B&C
RADAR RANGE SEEP	05-07-86	Acetone	50	624	B&C
No.3 SEEP	04-08-86	Dimethylbutane	10	624	3&C
ST. 5 OUTFALL	05-01-85	Bromine containing compound An unidentified compound	ind 10	625 625	388 0 288

<sup>(-)</sup> = Less than; numerical value is the Limit of Detection for that compound ug/l = Micrograms per liter

HARGIS + ASSOCIATES, INC. \* Concentrations of nonpriority organic compounds are semiquantified, unless otherwise indicated \*\* B&C = Brown and Caldwell Laboratories, Pasadena, California

### APPENDIX G

CONCENTRATION OF OIL/GREASE AND FUEL HYDROCARBONS
IN WATER SAMPLES COLLECTED FROM MONITOR WELLS

HARGIS + ASSOCIATES, INC.

APPENDIX G

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Table

G CONCENTRATION OF OIL/GREASE AND FUEL HYDROCARBONS IN WATER SAMPLES COLLECTED FROM MONITOR WELLS

## CONCENTRATION OF OIL/GREASE AND FUEL HYDROCARBONS IN WATER SAMPLES COLLECTED FROM MONITOR WELLS

**HYDROCARBONS** 

HM-7 01/11/86 B&C 04/05/86 B&C HM-20 01/09/86 B&C HM-51 04/06/86 B&C	11 3 -5 1 14 -5 4 52 70 9 -1	
• •	- 5 4 52 70 9 - 1	
HM-51 04/06/86 B&C	52 70 9 - 1	
= 1, = 2, = 0	9 - 1	
HM-78 01/10/86 B&C 04/08/86 B&C	·	
P-12 UPPER 01/09/86 B&C		
P-13 UPPER 04/09/86 B&C 05/08/86 B&C	- 5 - 5 - 1	
CREEK STATION 01/11/86 B&C C-2 02/12/86 B&C 03/12/86 B&C 04/08/86 B&C 05/07/86 B&C	- 5 - 1 - 5 - 1 - 6 - 1 - 5 - 1	
CREEK STATION 01/11/86 B&C C-3 02/12/86 B&C 03/12/86 B&C 04/08/86 B&C 05/07/86 B&C	5 - 1 6 - 1 5 - 1 - 5 - 1 - 5 - 1	
CREEK STATION 01/11/86 B&C C-4 02/12/86 B&C 03/12/86 B&C 04/08/86 B&C 05/07/86 B&C	6 - 1 9 - 1 10 - 1 - 5 - 1 - 5 - 1	
CREEK STATION 01/11/86 B&C C-5 02/12/86 B&C 03/12/86 B&C 04/08/86 B&C 05/07/86 B&C	11 - 1 - 5 - 1 - 5 - 1 - 5 - 1 - 5 - 1	
OUTFALL #3 01/11/86 B&C	1	
NO. 3 SEEP 04/08/86 B&C 05/07/86 B&C	8 - 1 - 5 - 1	

<sup>\*</sup>B & C - Brown and Caldwell, Pasadena, California (-) = Less than ND = None detected --- = Parameter not analyzed for.

HARGIS + ASSOCIATES, INC.

APPENDIX H

RESULTS OF ANALYSES FOR EPA
PRIORITY PESTICIDE COMPONENTS IN WATER SAMPLES

### #

## APPENDIX H

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Idble	
H-1	RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM MONITOR WELL HM-38
H-2	RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM MONITOR WELL HM-51
H-3	RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM DRAIN PIPE
H-4	RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM ST. 5 OUTFALL
H-5	RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #2

TABLE H-1

RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM MONITOR WELL HM-38

(micrograms per liter)		DATE SAMPLED.
	08-25-85	10-10-85
Aldrin	ι'n	-50
alpha-BHC	ις.	-50
beta-BHC	. S-	-50
gamma - BHC	<b>က</b>	-50
delta-BHC	<b>.</b>	-50
Chlordane	-30	-300
4,4'-000.	ر. ا	-50
6,4'-DOE	1,300	-50
4,4'-D0T	-10	-100
Dieldrin	<b>រ</b> ក	- 50
alpha-Endosulfan.	, ,	- 50
beta-Endosulfan		-50
Endosulfan sulfate	-10	-100
Endrin.	-10	-100
Endrin aldehyde	-10	-100
Heptachlor	សុ	-20
Meptachlor epoxide	-5	-50
PCB 1016	100	-1 000
PCB 1221	-100	-1.000
	-100	-1,000
PCB 1242	-100	-1,000
PCB 1248	-100	-1,000
	-100	-1,000
PCB 1260	-100	-1,000
loxaphene	-100	-1,000
EPA Method Number		
Laboratory	Brown & Caldwell	Brown & Caldwell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound (---) = Not analyzed

## TABLE H-2

# RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM HONITOR WELL HM-51

	IN MAILK SMAKLES CULLECTED TROP AGAICK MELL PA-51
COMPOUND (micrograms per liter)	
Aldrin	-0.5
alpha-BHC	-0.5
beta-BHC	-0.5
gamma-BHC	-0.05
delta-BHC	-0.5
Chlordane	-33
4,4'-D00	-0.5
4,4'-DDE	-0.5
4,4'-DDT	-1
Dieldrin	5.0-
alpha-Endosulfan	5.0-
beta-Endosulfan	5.0-
Endosulfan sulfate	
Endrin	
Endrin aldehyde	•
Heptachlor.	-0.5
Heptachlor epoxide	-0.5
PCR 1016	
DCR 1991	
DCR 1929	
PCR 1949	
DCD 1246	
FUD 1246	
PCR 1250	
Toxaphene	-10
FP& Method Number	
Laboratory	Brown & Caldwell

<sup>(-) =</sup> Less than; numerical value is the Limit of Detection for that compound
(---) = Not analyzed

## TABLE H-3

# RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM DRAIN PIPE

(micrograms per liter)	10-11-85
Aldrin	<b>2</b> -
alpha-BHC	<b>?</b> -
beta-BHC	~! •
gamma-BHC	7-
delta-BHC	~ •
Chlordane	م ند
4,4'-DD0	· •
4,4'-DOE	Ž-
4,4'-D0T	£.
Dieldrin	-2
alpha-Endosulfan	2-
beta-Endosulfan	
Endosulfan sulfate	c.
Endrin	
Endrin aldehyde	
Heptachlor	
Heptachlor epoxide	
PCB 1016	
PCB 1221	
PCB 1232	
PCB 1242	-30
PCB 1248	
PCB 1254	
PCB 1260	
Toxaphene	

 (-) = Less than; numerical value is the Limit of Detection for that compound
(---) = Not analyzed



## TABLE H-4

# RESULTS OF ANALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM ST. 5 OUTFALL

DATE SAMPLED			
10-11-85	-0.05 -0.05 -0.05 -0.05 -0.05	-0.05 -0.05 -0.1 -0.1 -0.05	7777777
COMPOUND (micrograms per liter)	Aldrin alpha-BHC gamma-BHC gamma-BHC chlordane 4,4'-DDE 4,4'-DDT	Dieldrin	PCB 1016. PCB 1221. PCB 1232. PCB 1242. PCB 1248. PCB 1254. PCB 1256.

EPA Method Number........... Brown & Caldwell

(-) - Less than; numerical value is the Limit of Detection for that compound (---) - Not analyzed

TABLE H-5

# RESULTS OF AMALYSES FOR EPA PRIORITY PESTICIDE COMPOUNDS IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #2

IN WATER SAMPLES COLLECTED FROM FRENCH DRAIN #2		-0.05 -0.05 -0.05 -0.05 -0.05 -0.05	-0.05 -0.05 -0.1 -0.1 -0.05	
?	08-25-85	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		100000
	COMPOUND (micrograms per liter)	Aldrin alpha-BHC. gamma-BHC. delta-BHC. chlordane. 4,4'-D0D. 4,4'-D0T.	Dieldrin	PCB 1016. PCB 1221. PCB 1232. PCB 1242. PCB 1248. PCB 1254. PCB 1254. PCB 1256.

Brown & Caldwell	ion for that compound
Brown & Caldwell	lue is the Limit of Detect
EPA Method Number	(-) - Less than; numerical value is the Limit of Detection for that compound () - Not analyzed

